

Name \_\_\_\_\_

ID # \_\_\_\_\_

**2018-2019 NUCLEAR TECHNOLOGY - RADIATION PROTECTION OPTION (MNT2)**  
**Associate of Applied Science Degree**  
**Education Plan**

**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
_____	_____	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
<b>SUB-TOTAL</b>				<b>30</b>

**PROGRAM REQUIREMENTS**

_____	_____	MNT 114	Introduction to Radiation Safety	4
_____	_____	MNT 223	Radiation Detection	4
_____	_____	MNT 233	Radiation Dosimetry	3
_____	_____	MNT 247	Radiation Protection	4
_____	_____	PHY 121	General Chemistry I	5
<b>SUB-TOTAL</b>				<b>20</b>

**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
<b>SUB-TOTAL</b>				<b>19</b>

**GRADUATION REQUIREMENT**

_____	_____	COM 125	Job Search Strategies	1
<b>SUB-TOTAL</b>				<b>1</b>
<b>PROGRAM TOTAL</b>				<b>70</b>

**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 - Radiation Protection Option  
 Associate of Applied Science Degree

<u>1<sup>st</sup> Fall Semester</u>		<u>18 hours</u>
COM 111	Oral Communications	3
COM 125	Job Search Strategies	1
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>1<sup>st</sup> Spring Semester</u>		 <u>18 hours</u>
COM 101	English Composition	3
	Math General Education Requirement	3
MNT 100	Human Performance Fundamentals	2
MNT 110	Mechanical and Fluid Power Transmission	1
MNT 114	Introduction to Radiation Safety	4
PHY 121	General Chemistry I	5
 <u>Summer Semester</u>		 <u>14 hours</u>
MNT 223	Radiation Detection	4
MNT 233	Radiation Dosimetry	3
PHY 101	College Physics	4
PHY 102	College Physics Lab	0
	Social Science General Education Requirement	3
 <u>2<sup>nd</sup> Fall Semester</u>		 <u>4 hours</u>
MNT 290	Internship	4
 <u>2<sup>nd</sup> Spring Semester</u>		 <u>16 hours</u>
COM 211	Technical Writing	3
CPP 101	Introduction to Microcomputer Usage	3
MNT 197	Basic Reactor Safety, Theory, and Operations	4
MNT 211	Piping and Instrumentation Drawings	2
MNT 247	Radiation Protection	4

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 2<sup>nd</sup> Fall semester of classes.