

**State Technical College of Missouri AAS in Nuclear Technology Radiation Protection Option to
Thomas Edison State University BSAST in Technical Studies**

State Technical College of Missouri AAS in Nuclear Technology Radiation Protection Option	Credits	Thomas Edison State University BSAST in Technical Studies	Credits
<i>GENERAL EDUCATION</i>		<i>GENERAL EDUCATION</i>	
		Intellectual and Practical Skills (15 Credits)	15
		Written Communications (6 credits)	
(COM 101) English Composition	3	English Composition (3 credits)	
Need to complete 3 credits		English Composition II (3 credits) (Need to complete)	
(COM 111) Oral Communication	3	Oral Communications (3 credits)	
(MAT 123) Calculus I	5	Quantitative Literacy (3 credits)	
(COM 211) Technical Writing	3	Information Literacy (3 credits)	
Need to complete 9 credits		Civic and Global Learning	9
		Ethics Course (3 credits)	
		Diversity Course (3 credits)	
		Civic Engagement (3 credits)	
Need to complete 9 credits		Knowledge of Human Cultures	9
(PSC 101) American Government	3	Understanding of the Physical and Natural World	8
Need to complete 5 credits			
(MNT 107) Basic Nuclear Math and Theory	4	Mathematics	3
(PHY 101/102) College Physics with laboratory	4	General Education Electives	16
(PHY 121) General Chemistry I	5		
(COM 125) Job Search Strategies	1		
Need to complete 6 credits			
Subtotal of General Education Transfers	31	Subtotal of General Education	60

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		Area of Study: (At least 12 credits of Area of Study must be 300-400 level courses)	45
(MNT 247) Radiation Protection MNT 114) Introduction to Radiation Safety (MNT 223) Radiation Detection (MNT 233) Radiation Dosimetry (MNT 189) Reactor Plant Components (MNT 197) Basic Reactor Safety, Theory, and Operations (MAR 101) Introduction to Electricity (MAR 110) Mechanical and Fluid Power Transmissions (MNT 290) Internship Need to complete 5 credits	4 4 4 3 4 4 4 3 4	21 Credits from a single department/discipline 18 Credits from another department/discipline Project Management (MAN-345) (3 credits) Current Trends and Applications (APS-401) (3 credits)	
(CPP 101) Introduction to Microcomputer Usage (MNT 211) Piping and Instrumentation Drawings (MNT 100) Human Performance Fundamentals Need to complete 9 credits	3 2 2	Free Electives	15
Total Transferred	72	Total Credits for Degree	120
		*Degree Requirements Technical Writing 3 credits Computer Concepts (CIS-107) or above 3 credits Statistics 3 credits College Algebra 3 credits Higher Level Mathematics Above College Algebra 3 credits Physics I with Lab or Chemistry I with Lab 4 credits Physics II with Lab or Chemistry II with Lab 4 credits	