State Technical College of Missouri AAS in Nuclear Technology Reactor Operations Option to Thomas Edison State University BSAST in Technical Studies

State Technical College of Missouri AAS in Nuclear Technology Reactor Operations Option	**Credit**	**Thomas Edison State University BSAST in Technical Studies**	**Credits**
GENERAL EDUCATION		*GENERAL EDUCATION*	
		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 Communications	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	5	**Mathematics**	**3**
(PHY 101/102) College Physics w/laboratory Need to complete Physics II plus Lab 4 credits (PHY 121) General Chemistry I (COM 125) Job Search Strategies Need to complete 3 credits	4 5 1	**General Education Electives**	**16**
Subtotal of General Education Transfers	**32**	**Subtotal of General Education**	**60**

State Technical College of Missouri **AAS in Nuclear Technology Reactor Operations Option**	**Credits**	**Thomas Edison State University – Technical Studies**	**Credits**
		Area of Study: (At least 12 credits of Area of Study must be 300-400 level courses)	**45**
(MNT 270) Thermodynamics, Fluid Flow, & Advances Reactor Theory (MNT 110) Mechanical & Fluid Power Transmission (MNT 197) Basic Reactor Safety, Theory, and Operations (MNT 274) Reactor Plant Systems (MNT 278) Reactor Plant Operations (MNT 189) Reactor Plant Components (MNT 290) Internship (MNT 211) Piping and Instrumentation Drawings Need to complete 8 credits	5 1 4 3 4 4 4 2	21 Credits from a single department/discipline 18 Credits from another department/discipline Project Management (MAN-345) (3) Current Trends and Applications (APS-401) (3)	
(MNT 100) Human Performance Fundamentals (CPP 101) Introduction to Microcomputer Usage Need to complete 10 credits	2 3	**Free Electives**	**15**
Total Transferred	**68**	**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**	