



Bachelor of Science in Nuclear Engineering Technology

124
CREDITS

ARTS AND SCIENCES COMPONENT		CREDIT HOURS	
▶ Communications Must include 6 credits in the Written English Requirement		9	
▶ Humanities		3	
▶ Ethics		3	
▶ Social Sciences/History		9	
▶ Mathematics and Natural Sciences			
Mathematics 12 credits at the level of College algebra or above, including Calculus I and II.		26	
Natural Sciences Physics I and II with at least one lab, Chemistry with lab, Atomic Physics, Nuclear Physics, and Thermodynamics			
▶ Arts and Sciences Electives		10	
TOTAL CREDITS FOR ARTS AND SCIENCES COMPONENT		60	
NUCLEAR ENGINEERING TECHNOLOGY COMPONENT		CREDIT HOURS	
▶ Core Requirements			
Electrical Theory	Reactor Core Fundamentals	48	
Computer Applications	Fluids		
Fundamentals of Reactor Safety	Heat Transfer		
Material Science	NUC 495 Integrated Technology Assessment (capstone) ^①		
Health Physics/Radiation Protection			
Radiation Measurement Lab	Nuclear Technology Electives		
Plant Systems Overview			
▶ Required Labs			
Chemistry	Physics	48	
Radiation Measurement	2 Technology or Natural Science Labs		
TOTAL CREDITS FOR NUCLEAR ENGINEERING TECHNOLOGY COMPONENT 16 CREDITS MUST BE UPPER LEVEL		48	
CONCENTRATION OR FREE ELECTIVE COMPONENT		CREDIT HOURS	
▶ One of the following concentrations must be declared (see page 62 for requirements):			
General	Nuclear Cybersecurity	Nuclear Leadership	15
If the General concentration is selected, the 15 required credits may be completed with Free Electives.			
▶ Information Literacy Requirement		1	
TOTAL CREDITS FOR CONCENTRATION OR FREE ELECTIVE COMPONENT		16	
TOTAL DEGREE CREDITS REQUIRED		124	

^① NUC 495 Integrated Technology Assessment is the required capstone course. It must be taken through Excelsior College and cannot be transferred in.