



Program: NUCP (NUCLEAR POWER TECHNOLOGY--TRACK C: INSTRUMENTATION AND CONTROL TECHNICIAN SPECIALTY) CIP: 410205									
LIST ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES									
Competencies								Course Number	Course Title
1	2	3	4	5	6	7	8		
X	X	X	X	X	X	X	X	NUCP 1371	Math & Chemistry Fundamentals for Nuclear Power
X	X	X	X	X	X	X	X	ENER 1350 or PTAC1302	Overview of the Energy Industry or Intro to Process Technology
		X		X	X		X	MATH 1314/2312	College Algebra/ Pre - Calculus
X	X			X	X		X	ENGL 1301	Composition & Rhetoric I
X	X	X	X	X	X	X	X	NUCP 1370	Nuclear Fundamentals I
X	X	X	X	X	X	X	X	NUCP 1373	Nuclear Fundamentals II
				X	X		X	PTAC 1432	Instrumentation
				X	X		X	CHEM 1405/1411	Intro Chemistry/Chemistry I
X	X	X	X	X	X	X	X	NUCP 1372	Nuclear Power Plant Org & Processes
X	X	X	X	X	X	X	X	CETT 1409	DC-AC Circuits
X	X	X	X	X	X	X	X	INTC 1350	Digital Measurement and Controls
				X	X		X		Social Science Elective
				X	X	X	X	PTAC 2314	Quality
X	X	X	X	X	X	X	X	PTAC 2436	Instrumentation II

X	X	X	X	X	X	X	X	INTC 1457	AC / DC Motor Control
				X	X		X		Humanities Elective
X	X	X	X	X	X	X	X	ELMT 2452	Power Generation Instrumentation
X	X		X	X	X		X	SPCH 1315	Public Speaking
								<b>COMPETENCY REFERENCES</b>	
								<b>8 Basic use of computers</b>	
								<b>7 Workplace Competencies:</b> resources; interpersonal skills; information; systems; and technology.	
								<b>6 Personal Qualities:</b> A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	
								<b>5 Thinking Skills:</b> A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	
								<b>4 Speaking and Listening:</b> Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	
								<b>3 Arithmetic or Mathematics:</b> Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	
								<b>2 Writing:</b> Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	
								<b>1 Reading:</b> Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	



<b>SCANS COMPETENCIES FOR PROGRAM</b> NUCLEAR POWER TECHNOLOGY-TRACK C: INSTRUMENTATION AND CONTROL TECHNICIAN SPECIALTY <b>ACADEMIC YEAR 2017-2018</b>			
Competency	Course where Competency is Assessed	Method of Assessment	Findings and Plans for Improvements
<b>1 READING:</b> Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising and tutoring..
<b>2 WRITING:</b> Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising and tutoring...
<b>3 ARITHMETIC OR MATHEMATICS:</b> Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising and tutoring..
<b>4 SPEAKING AND LISTENING:</b> Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising

			and tutoring..
<b>5 THINKING SKILLS:</b> A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising and tutoring..
<b>6 PERSONAL QUALITIES:</b> A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising and tutoring..
<b>7 WORKPLACE COMPETENCIES:</b> resources; interpersonal skills; information; systems; and technology	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising and tutoring..
<b>8 BASIC USE OF COMPUTERS</b>	NUCP 1371 ENER 1350 NUCP 1370 NUCP 1373 NUCP 1372 CETT 1409 INTC 1350 PTAC 2436 INTC 1457 ELMT 2452	PERIODIC DEPARTMENTAL QUIZZES/EXAMS	100% of students were assessed in the program's discipline related technical courses. <b>Criteria for course success:</b> 75% of students receive a "C" or better to meet Satisfactory Academic Progress (SAP). <b>Findings:</b> This overall criteria was met in all assessed courses. <b>Plan for improvement:</b> Provide as-needed Advising and tutoring..