



Program: NUCP (NUCLEAR POWER TECHNOLOGY-TRACK D: MECHANICAL TECHNICIAN SPECIALTY)
CIP: 410205

CIP:	410205		LICT ALL	Cours	DEC DEC	UUDED /	ND IDEA	NITIEIED COMPET	NOIFO			
						UIRED	AND IDE	NTIFIED COMPETE	INCIES			
1	2	3	4	etencie 5	6	7	8	Course Number	Course Title			
				X	X		X	INMT 1305	Intro to Industrial			
								IND 4T 2222	Maintenance			
				X	X		X	INMT 2303	Pumps , Compressors, & Mechanical Drives			
		X		X	X		X	MATH 1314/2312	College Algebra or Pre- Calculus			
				X	X		X	WLDG 1428	Intro to Shielded Arc Welding			
				X	X		X	HYDR 1450	HYDR. Fabrication & Repairs			
				X	X		X	PTAC 1432	Instrumentation I			
				X	X		X	MCHN 2403	Fundamentals of Computer Numerical Controlled (CNC) Machine Controls			
X	X			X	X		X	ENGL 1301	Composition I			
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 PTAC 1302	Overview of Energy Industry or Intro to Process Technology			
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	X	X	X	X	X	CETT 1409	DC/AC Circuits			
X	X		X	X	X		X	SPCH 1315	Public Speaking			
X	X	X	X	X	X	X	X	NUCP 1372	Nuclear Power Plant Organization & Process			
				X	X		X	CHEM	Introductory Chemistry or			
				11	11		121	1405/1411	Chem. I			
				X	X		X		Humanities Elective			
				X	X		X		Social Science Elective			
								COMPETENCY	REFERENCES			
							8 B a	sic use of com				
						7 W						
					7 Workplace Competencies: resources; interpersonal skills; information; systems; and							
							nology.	,	, , ,			
					self-	rsonal esteem	rsonal Qualities: A worker must display responsibility, steem, sociability, self-management, integrity, and					
					hone		•					
				5 Thinking Skills : A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason								
			40		effectively.							
			4 Sp	Speaking and Listening: Organize ideas and communicate orally;								

receive, attend to, interpret, and respond to verbal messages and other cues.

3 **Arithmetic or Mathematics**: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.

2 **Writing**: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.

1 **Reading**: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.



SCANS Competencies Checklist

SCANS COMPETENCIES FOR PROGRAM NUCLEAR POWER TECHNOLOGY--TRACK D: MECHANICAL TECHNICIAN SPECIALTY

ACADEMIC YEAR 2017-2018

			5: " 15! 1
Competency	Course where	Method of Assessment	Findings and Plans for
	Competency is Assessed		Improvements
1 READING: Locate, understand,	NUCP 1371	PERIODIC DEPARTMENTAL	
and interpret written information	ENER 1350	QUIZZES/EXAMS	assessed in the program's
in prose and in documents such	NUCP 1370		discipline related technical
as manuals, graphs, and	NUCP 1373		courses. Criteria for course
schedules.	NUCP 1372		success: 75% of students
	CETT 1409		receive a "C" or better to meet
			Satisfactory Academic
			Progress (SAP). Findings:
			This overall criteria was met
			in all assessed courses.
			Plan for improvement:
			Provide as-needed Advising
			and tutoring.
2 WRITING: Communicate	NUCP 1371	PERIODIC DEPARTMENTAL	
thoughts, ideas, information, and		QUIZZES/EXAMS	assessed in the program's
messages in writing, and create	NUCP 1370		discipline related technical
documents such as letters,	NUCP 1373		courses. Criteria for course
directions, manuals, reports,	NUCP 1372		success: 75% of students
graphs, and flow charts.	CETT 1409		receive a "C" or better to meet
			Satisfactory Academic
			Progress (SAP). Findings:
			This overall criteria was met
			in all assessed courses.
			Plan for improvement:
			Provide as-needed Advising
			and tutoring.
3 ARITHMETIC OR	NUCP 1371	PERIODIC DEPARTMENTAL	
MATHEMATICS: Perform basic	ENER 1350	QUIZZES/EXAMS	assessed in the program's
computations and approach	NUCP 1370		discipline related technical
practical problems by choosing	NUCP 1373		courses. Criteria for course
appropriately from a variety of	NUCP 1372		success: 75% of students
mathematical techniques.	CETT 1409		receive a "C" or better to meet
			Satisfactory Academic
			Progress (SAP). Findings:
			This overall criteria was met
			in all assessed courses.
			Plan for improvement:
			Provide as-needed Advising
	huion 4074		and tutoring.
4 SPEAKING AND LISTENING	NUCP 1371	PERIODIC DEPARTMENTAL	
Organize ideas and communicate		QUIZZES/EXAMS	assessed in the program's
orally; receive, attend to,	NUCP 1370		discipline related technical
interpret, and respond to verbal	NUCP 1373		courses. Criteria for course
messages and other cues.	NUCP 1372		success: 75% of students
	CETT 1409		receive a "C" or better to meet
			Satisfactory Academic
			Progress (SAP). Findings :
			This overall criteria was met
			in all assessed courses.
			Plan for improvement:
		1	Provide as-needed Advising

and tuto	oring.
5 THINKING SKILLS: A worker NUCP 1371 PERIODIC DEPARTMENTAL 100% o	f students were
must think creatively, make ENER 1350 QUIZZES/EXAMS assesse	ed in the program's
	ne related technical
, , , , , , , , , , , , , , , , , , ,	6. Criteria for course
,	s: 75% of students
	a "C" or better to meet
	ctory Academic ss (SAP). Findings:
	erall criteria was met
	sessed courses.
	r improvement:
	as-needed Advising
and tuto	
6 PERSONAL QUALITIES: A NUCP 1371 PERIODIC DEPARTMENTAL 100% o	
	ed in the program's
	ne related technical
, , , , , , , , , , , , , , , , , , , ,	s: 75% of students
	a "C" or better to meet
	ctory Academic
	ss (SAP). Findings:
This ov	erall criteria was met
	sessed courses.
	r improvement:
	as-needed Advising
and tuto	
7 WORKPLACE NUCP 1371 PERIODIC DEPARTMENTAL 100% of COMPETENCIES: ENER 1350 QUIZZES/EXAMS assessed	ed in the program's
	ne related technical
	S. Criteria for course
	s: 75% of students
CETT 1409 receive	a "C" or better to meet
	ctory Academic
Progres	ss (SAP). Findings:
	erall criteria was met
	sessed courses.
	r improvement: as-needed Advising
and tuto	
8 BASIC USE OF COMPUTERS NUCP 1371 PERIODIC DEPARTMENTAL 100% o	
	ed in the program's
	ne related technical
	criteria for course
	s: 75% of students
	a "C" or better to meet
Satisfac	ctory Academic ss (SAP). Findings:
Progres This av	erall criteria was met
	sessed courses.
	r improvement:
	as-needed Advising
	oring.