



Academic Map  
**Nuclear Power Technology – Associate of Applied Science**  
**TRACK D: Mechanical Technician Specialty**  
 (CIP 41.0205)

For timely completion of degree requirements, students must follow the guidelines below. Contact the Program Director for the most up-to-date course schedules.

Students who plan to pursue this degree path may not register for Academic or Technical Courses offered outside of stated degree requirements.

<b>Courses</b>	
College Readiness Courses (if needed)	
<b>Semester I</b>	<b>Hours</b>
NUCP 1371 Math and Chemistry Fundamentals for Nuclear Power	3
ENGL 1301 Composition I	3
ENER 1350 Overview of Energy Industry <b>or</b> PTAC 1302 Introduction to Process Technology	3
MATH 1314 College Algebra <b>or</b> MATH 2312 Pre-Calculus Math	3
<b>Semester II</b>	
NUCP 1370 Nuclear Fundamentals I	3
NUCP 1373 Nuclear Fundamentals II	3
PTAC 1432 Process Instrumentation I	4
NUCP 1372 Nuclear Power Plant Organization and Processes	3
CHEM 1405 Introductory Chemistry I <b>or</b> CHEM 1411 General Chemistry I	4
<b>Semester III</b>	
CETT 1409 DC-AC Circuits	4
INMT 1305 Introduction to Industrial Maintenance	3
INMT 2303 Pumps, Compressors, and Mechanical Drives	3
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)	4
Social & Behavioral Science on the AAS General Education Course List	3
<b>Semester IV</b>	
HYDR 1450 Hydraulics, Fabrication and Repair	4
MCHN 2403 Fundamentals of Computer Numerical Controlled (CNC) Machine Controls (Capstone Course)	4
SPCH 1315 Public Speaking	3
Language, Philosophy, & Culture <b>or</b> Creative Arts on the AAS General Education Course List	3
<b>60 Semester Credit Hours</b>	

***Choose. Connect. Complete.***