



Academic Map
Nuclear Power Technology – Associate of Applied Science
TRACK A: Non-Licensed Operator 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.

Courses	
College Readiness Courses (if needed)	
Semester I	Hours
NUCP 1371 Math and Chemistry Fundamentals for Nuclear Power	3
ENGL 1301 Composition I	3
ENER 1350 Overview of Energy Industry or PTAC 1302 Introduction to Process Technology	3
MATH 1314 College Algebra or MATH 2312 Pre-Calculus Math	3
Semester II	
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 or CHEM 1411 General Chemistry I	4
Semester III	
CETT 1409 DC-AC Circuits	4
NUCP 2470 Nuclear Power Plant Systems I	4
PTAC 2314 Principles of Quality	3
INTC 1350 Digital Measurement and Controls	3
Social & Behavioral Science on the AAS General Education Course List	3
Semester IV	
NUCP 2471 Nuclear Power Plant Systems II (Capstone Course)	4
SPCH 1315 Public Speaking	3
Language, Philosophy, & Culture or Creative Arts on the AAS General Education Course List	3
Discipline-Related Studies Elective: PHYS 1401 College Physics I or MATH 2413 Calculus I or CHEM 1411 General Chemistry I or CHEM 1412 General Chemistry II or PTAC 2436 Process Instrumentation II* or CETT 1425 Digital Fundamentals or ELMT 2437 Electronic Troubleshooting, Service, and Repair* or INTC 1457 AC/DC Motor Control or NUCP 1480 Cooperative Education – Nuclear/Nuclear Power Technology/Technician** (Requires Program Director Approval)	4
60 Semester Credit Hours	

*Students desiring to pursue the Electrical Technician and/or Instrumentation & Control Technician Level II Certificates **MUST** take ELMT 2437 and/or PTAC 2436 as a Discipline Related Elective to avoid completion delays.

**AAS seeking students can take NUCP 1480 for a 16-week semester internship or an 8-week summer internship.

Choose. Connect. Complete.