

PLASMA STERILIZATION AND PROCESSING CERTIFICATE

The Certificate in Plasma Sterilization and Processing equips students with tools and skills necessary to work in the fields of plasma sterilization for medical equipment, plasma etching of circuit boards, and plasma processing of metal and polymer surfaces. Students gain fundamental knowledge of the field, historical background, multiple types of plasma systems, safety and quality controls, and hands-on experience working with chamber design and operation requirements. Additionally, students will have the opportunity to explore environmental considerations, perform risk assessments, and develop protocols for equipment and material handling using national and international standards.

Certificate in Plasma Sterilization and Processing requirements (13 hours):

Code	Title	Hours
PHYS 2500	Steril Sci & Emerging Tech	3
PHYS 2510	Intro to Plasma Sci & Eng	3
PHYS 2520	Comp, Qual & Appl Strat	3
PHYS 2530	Mech, Operation & Lab Practice	3