



Medical Device Recycling & Reprocessing Certificate Program

Overview

The **Medical Device Recycling and Reprocessing Certificate** program is an internship immersion and training program for engineers offered through the Department of Bioengineering. It is focused on reprocessing and recycling of medical devices to promote sustainability in healthcare. It aims to train engineers to optimize medical device designs for sustainability in healthcare, to gain skills in reprocessing validation methods for industry to assure patient safety while maintaining regulatory compliance, and to develop medical device commercialization strategies.

- The Certificate consists of a 5-course sequence (15 credits) of graduate-level Bioengineering courses taught by multi-disciplinary faculty and industry professionals
- Courses are open to all engineering graduate students (BS/MS, MS, PhD)
- Two courses overlap with the Technology Entrepreneurship Certificate at the Spiro Institute
- To enroll or for more information, contact the BIOE Graduate Student Services Coordinator: Maria Torres (mariam@clemson.edu. 864-656-7276)

Courses (15 cr)	Course Name	Semester
BIOE 8110 (3)	Sterilization & Cleaning Engineering for Medical Devices	Summer minimester A
BIOE 8130 (3)	Industrial Bioengineering	Spring
BIOE 8140 (3)	Medical Device Commercialization	Fall
BIOE 8150 (3)	Design, Manufacturing & Validation Methods for Reusable Medical Devices	Spring
BIOE 8900 (3)	Industry Practicum	By arrangement