

# MEDICAL PLASTICS, CERTIFICATE

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Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

## Program Description

Plastics play a critical role in a growing medical industry. A significant portion of medical devices, prosthetics, implants, tools and packaging of devices and products are dependent on plastics. Many of products could not exist, or cost would be excessive, without plastics. Medical plastics is a subset of the larger plastics industry and represents a strong growth area. Medical plastics usage is expected to increase approximately 7% per year over at least the next five years. Medical plastics also represents a large opportunity for domestic plastics manufacturers as there is a general resistance to outsourcing this production due to concerns over the quality and safety of third-world suppliers.

## What are Medical Plastics?

Plastic materials are lightweight, flexible, easily shaped, and can be kept sterile, making them a no-brainer element for creating implantable medical devices and prosthetics. The certificate in Medical Plastics explores issues related to plastics' use in medicine, including product design, materials choice, manufacturing options, and FDA regulations.

## You Might Like This Program If...

- You are interested in the intersections of engineering and medicine.
- You'd like to help people with serious medical issues.
- You are majoring in Plastics Engineering Technology.