

# MEDICAL DEVICE DESIGN AND ENTREPRENEURSHIP CERTIFICATE

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## Introduction

This Certificate provides an in-depth introduction to the area of medical device design and entrepreneurship. Learning goals are designed around the idea that there is a common set of skills and knowledge that successful entrepreneurs possess. In this program, students explore the key ingredients needed to develop value in medical devices. Students will work directly with experienced mentors to learn the practical skills for success in this space. The certificate culminates in a semester-long project focusing on generated deeper understanding of one important area within medical device entrepreneurship.

Ongoing / new projects are available on: New Device for Microbiome Sampling; New Surgical Instruments for Hip Arthroscopy; Development of a Business Plan around a Novel Method for Evaluating Reflux Disease; New Devices for Vascular Embolization; Biochemical Sensors for More Sensitive Cancer Detection; Minimally Invasive Techniques to Characterize GI Inflammation in COVID-19; Simulation Tools to Optimize Battlefield Triage; and many others. Students are welcome to propose their own project as well.

## Admissions

Anyone who is interested in a graduate certificate is eligible to apply. Applicants must have a BA/BS and a recommended GPA of 3.0.

### Certificate Requirements

The graduate certificate in medical device design and entrepreneurship includes nine credits of coursework and three credits of project work.

### Required Courses

Code	Title	Hours
BIOE 5054	Regulatory Affairs	3
BIOE 5420	Special Topics in Bioengineering	3
One Bioengineering Elective		3
Entrepreneurship Project		3
<b>Total Hours</b>		<b>12</b>