

# MSMDE Program Curriculum

## Fall Core Courses

Course Number	Course Name	Credit(s)
SCI 5700	Medical Diagnostics	3.0
ENG 6340	Device and Diagnostic Product Development	3.0
PDEV 5000	Team Master's Project (in Medical Devices)	3.0
PDEV 5100	Professional Development	0

## Spring Core Courses

Course Number	Course Name	Credit(s)
ENG 5300	Medical Devices	3.0
ENG 6350	Medical Device Production	3.0
PDEV 5000	Team Master's Project (in Medical Devices)	3.0

## Electives

Students can select from a variety of elective courses available across the Henry E. Riggs School of Applied Life Sciences to meet their credit requirement. Each student is personally advised based on their interests and career goals. Example areas of elective study include:

### Advanced Devices

- CAD
- Prototyping
- Advanced IVD
- Drug Delivery

- Biosensors

### **Data Science**

- Clinical Biostatistics
- Data Analytics
- Signal Processing
- Bioinformatics
- Machine Learning

### **Regulatory Affairs**

- US FDA Law
- Medical Device Regulatory Affairs

### **Business**

- Business of Bioscience
- Entrepreneurship
- IP Strategy
- Marketing

### **Research**

- Independent Research
- Research Assistant