

## **FACULTY MENTOR**

Patrick Mercier

## **PROJECT TITLE**

Wearable Physiochemical Sensor Technologies

## **PROJECT DESCRIPTION**

Description: We are building wearable microneedle lab-on-skin platforms that can sense physiochemical properties in human tissue in real time. We require research and development of next-generation electronics, software applications, and more.

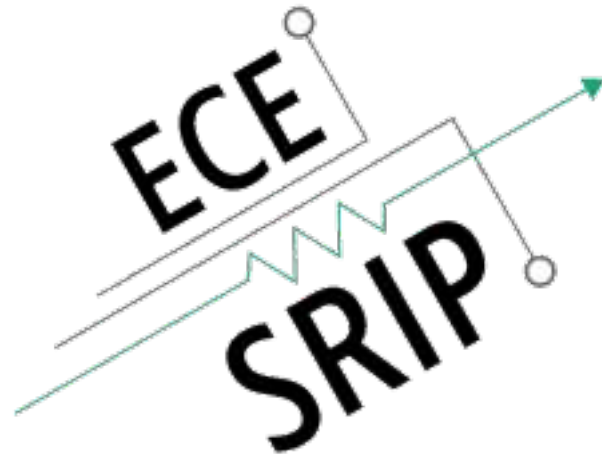
This project will be in person.

## **INTERNS NEEDED**

1 Student

## **PREREQUISITES**

1. PCB design experience and/or embedded system design



### **FACULTY MENTOR**

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### **PROJECT TITLE**

Ultra-Low-Power Wireless Communication Circuits

### **PROJECT DESCRIPTION**

Description: Next-generation IoT devices require ultra-low-power connectivity. Help us design the next-generation of Wi-Fi backscatter systems, Bluetooth Low Energy circuits, NB-IoT systems, and so on.

This project will be in person.

### **INTERNS NEEDED**

2 Students

### **PREREQUISITES**

1. Circuit design experience. Strongly recommend as many of these courses as possible: ECE265, 166, 164, 166