

FACULTY MENTOR

Drew Hall

PROJECT TITLE

IC Block Level Design

PROJECT DESCRIPTION

Description: Students will design a variety of common blocks for integrated circuits (OpAmps, OTAs, Bandgaps, SPI interface, ADCs, etc.) in 180 or 65 nm CMOS.

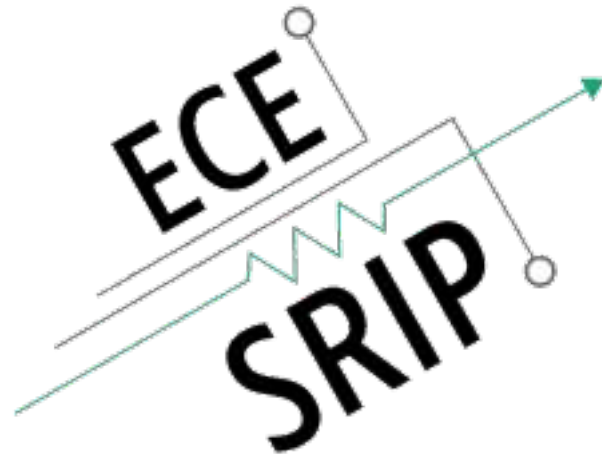
This project can accommodate both remote and in-person students.

INTERNS NEEDED

2 Students

PREREQUISITES

1. ECE 264A
2. ECE 264B



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PROJECT TITLE

Padding Synthesis Script

PROJECT DESCRIPTION

Description: Students will design Verilog/TCL/Python/etc scripts to construct a padding with appropriate ESD from a tabular input format.

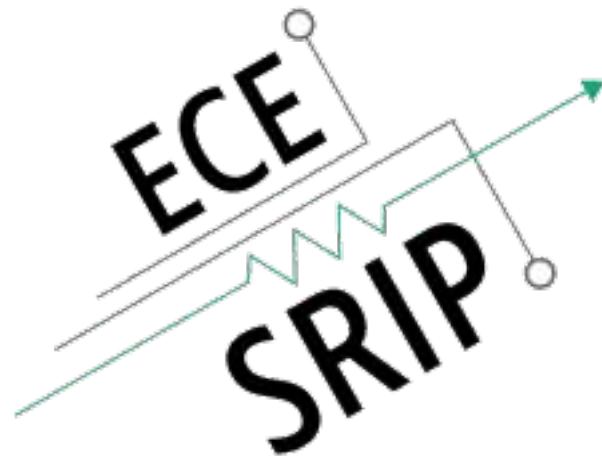
This project can accommodate both remote and in-person students.

INTERNS NEEDED

1 Student

PREREQUISITES

1. ECE 264A
2. ECE 260



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PROJECT TITLE

Machine-Learning for Biomarker Identification

PROJECT DESCRIPTION

Description: Students will implement machine learning models to classify compounds based on measured electrochemical signals.

This project can accommodate both remote and in-person students.

INTERNS NEEDED

1 Student

PREREQUISITES

1. ECE 175A, B or
2. ECE 228