Electrical Engineering Graduate Program System Dynamics & Control (SDC) Concentration Degree Plan

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Form updated: 4/17/2018

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Information page:

Degree Requirements

Ten courses (30 credits) are required to complete a Master's in Electrical Engineering with an SDC concentration.

Required Core Courses:

EGR 8301: Control Systems Engineering

EGR 8302: Digital Control

And at least one Math option from:

ECE 8001: Engineering Math I ECE 8007: Matrix Theory

ME 7000: Advanced Engineering Analysis

Area Courses (at least 3 courses from):

EGR 8304: Nonlinear Control EGR 8305: System Identification EGR 8306: Nonlinear Dynamics EGR 8308: Feedforward Control

ECE 8400: Neural Network and Fuzzy Systems EGR 8309: Advanced Topics in Dynamics & Control

Thesis Option Courses:

ECE 9030: Independent Study

ECE 9031: Research I

Breadth Courses:

Additional courses may be selected with the approval of your advisor to complement those above and to support your professional interests.

General: The degree plan must meet general departmental requirements for graduation as well as the specific SDC concentration requirements detailed above and on the SDC concentration web page.

Academic Advisor:

<u>Name</u>	<u>Telephone</u>	<u>E-mail</u>	<u>Office</u>
James Peyton Jones	610-519-4216	james.peyton-jones@villanova.edu	T422

The following are deadlines for the SDC concentration degree plan submissions:

Full and part time MSEE students - by midterm of his/her first semester;

5 year BS/MS students – before registering for any course to be counted towards the MSEE degree.