

Electrical Engineering Graduate Program High Frequency Systems (HFS) Concentration Degree Plan

06/15/2009

Name: _____ Student number: _____

An ECE graduate student interested in a Masters Degree HFS concentration must submit this HFS concentration degree program plan, to the ECE office, according to the deadlines listed on the information page on the back of this form. Your academic advisor must approve and sign this form prior to submission. See the information page on the back for a discussion on establishing your academic advisor. Changes to your degree plan can be made by submitting an updated form, approved by your academic advisor.

Below, list Area, Breadth and Independent Study & Thesis courses in the order in which you plan to take them, making note of prerequisites. See the course lists on the back of this form.

ECE office fax: 610-519-4436. ECE office phone: 610-519-4970.

<u>Semester</u>	<u>Year</u>	<u>Course</u>	<u>Name</u>	<u>Prerequisite</u>	<u>C</u>	<u>M</u>	<u>A</u>	<u>B</u>	<u>IT</u>
1. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. F S M	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Total number of courses: _____

<input type="checkbox"/> Thesis option must be at least	3	1	3	0	3
<input type="checkbox"/> Nonthesis option must be at least	3	1	3	0	0

Academic Adviser signature: _____ Date: _____

Abbreviations:

F Fall semester	M Math course requirement
S Spring semester	A Area course electives
M Summer semester	B Breadth course electives
C Core course requirements	IT Independent study and Theses

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Information Page:

Core Courses: ECE8562, ECE8670, ECE8671, ECE8675

Area Courses: ECE8565, ECE8566, ECE8568, ECE8676, ECE8760

Breadth Courses: should be selected to complement HFS core and area courses such that your degree supports your professional interests.

Academic Advisor: Each student who selects the HFS concentration must work with his/her academic advisor (for a research assistants his/her research advisor) to prepare and submit an approved degree plan. The academic advisor must be a full time faculty member who teaches courses in the HFS area. Dr. Robert Caverly is the default Academic Advisor for the HFS concentration. Any student interested in the HFS concentration is encouraged to meet with him until he/she has established a permanent academic advisor.

Full time ECE faculty who regularly serve as academic advisors for the HFS concentration are:

<u>Name</u>	<u>Telephone</u>	<u>E-mail</u>	<u>Office</u>
Robert Caverly	5660	caverly@ece.villanova.edu	T433
Ahmad Hoorfar	7223	hoorfar@ece.villanova.edu	T434
Mark Jupina	7561	jupina@ece.villanova.edu	T430
Rosalind Wynne	6294	rosalind.wynne@villanova.edu	T429

Concentration Requirements: The degree plan must meet general departmental requirements for graduation, and the specific HFS concentration requirements detailed above and on the HFS concentration Web page, which is accessed as follows: go to

<http://www.villanova.edu/engineering/departments/electrical/graduate/masters/MSEE.htm>

and select the "Microwave Systems, Photonics and Antennas" MSEE Specialty Area link.

The following are deadlines for the HFS concentration degree plan submission: full time students - before registering for their first semester; part time students – before registering for their first semester; 5 year BS/MS students – before registering for fall semester senior year.