

Electrical Engineering Graduate Program

Signal Processing & Communications (SPC) Concentration Degree Plan

3-29-2011

Name: _____ Student number: _____

An EE graduate student interested in a Masters Degree SPC concentration must submit this SPC concentration degree program plan, to the ECE office, according to the deadlines and course requirements 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.

Semester	Year	Course	Name	Prerequisite	C	M	A	B	IT
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 |

Electrical Engineering Graduate Program

Signal Processing & Communications (SPC) Concentration

Degree Plan

3-29-2011

Information Page:

Core Course Requirements: ECE8072, ECE8231 and ECE8700

Area Courses - at least 3 of the following: ECE7710, ECE7711, ECE8234, ECE8247, ECE8272, ECE8478, ECE8705, ECE8708, ECE8710, ECE8760, ECE8770, ECE8771, ECE8787

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

Math Courses – at least 1 of the following: ECE8001, ECE8007, MATH8430, MATH8600, MATH8401

Academic Advisor: Each student who selects the SPC 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 SPC area. Dr. Kevin Buckley is the assigned Academic Advisor for the SPC concentration. Any student interested in the SPC 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 SPC concentration are:

<u>Name</u>	<u>Telephone</u>	<u>E-mail</u>	<u>Office</u>
Moeness Amin	4263	moeness@ece.villsnovs.edu	T119
Kevin Buckley	5658	buckley@ece.villanova.edu	T433a
Bijan Mobasseri	4958	mobasser@ece.villanova.edu	T404

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

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

and select the “Signal Processing and Communications” MSEE Specialty Area link.

The following are deadlines for the SPC concentration degree plan submission: full and part time MSEE student – by midterm of his/her first semester; 5 year BS/MS students – before registering for any course to be counted towards the MSEE degree.