

M.S. COURSEWORK PLANNING WORKSHEET

Non-Thesis Thesis

NOTE: List all courses with official GT number, name, and credit hours. GT former undergraduates who are using classes completed as part of the BS degree should enter “UG” in the “Term/Yr” area for any class carried forward from the undergraduate program.

***TIA = Technical Interest Area, for ECE courses only.** Use these codes to indicate the TIA:
BIO=Bioengineering, **CSS** = Computer Sys & Software, **DSP** = Digital Signal Processing, **EE** = Electrical Energy, **EM** = Electromagnetics, **EDA** = Electronic Design & Apps, **Micro** = Microelectronics, **Opt** = Optics, **S&C** = System & Control, **Telecom** = Telecommunications, **VSDD** = VLSI System & Digital Design, **NA** = Non ECE course.

GROUP I: 9 Hrs. of ECE 6XXX Course Work (1 or 2 TIA's needed) CSS / Opt

#	Course Name	TIA *	Hrs	Term/Yr
ECE 6122	Advanced Programming Techniques	CSS	3	FA/16
ECE 6100	Advanced Computer Architecture	CSS	3	SP/17
ECE 6500	Fourier Techniques and Signal Analysis	Opt	3	FA/16

GROUP II: 9 Hrs. of ECE 6XXX Course Work**

#	Course Name	TIA *	Hrs	Term/Yr
ECE 6412	Analog Integrated Circuit Design	EDA	3	FA/16
ECE 6390	Satellite Communications & Navigation Systems	Telecom	3	SP/17
ECE 6140	Digital Systems Test	VSDD	3	SP/17

**At least 6 hours must be in TIA(s) outside of and not cross-listed with those in Group I.

GROUP III: (Electives) Non-Thesis Option: 12 Hrs. of Course Work

#	Course Name	Hrs	Term/Yr
ECE 4751	Laser Theory & Application	3	FA/16
ISYE 6669	Deterministic Optimization	3	SP/17
ISYE 6227	Introduction to Financial Engineering	3	SU/17
MATH 6701	Math Methods of Applied Sciences I	3	SU/17

4000 and 6000 level courses may be used provided degree requirements are met.

Student Name: _____ GTID: _____