## Master of Science (M.S.) – Thesis Program Electrical and Computer Engineering Department

## **Signal Processing and Machine Learning Track**

All master's students must complete a tentative degree plan, which is approved by the adviser, no later than the second quarter of residence at PSU. NOTE: all changes must be initialed and dated by both the student and the adviser. All Pre-admission and Transfer credits MUST be approved by both the ECE Department and the Graduate School. Use the columns on the right to indicate approved (P) Pre-admission (taken at PSU before formal admission) and (T) Transfer credits (taken at another institution). Master's students may apply no more than three credits of ECE 507 Graduate Seminar toward degree elective requirements. Courses with a grade of C+ or lower can be used toward elective requirements only, and only with advisor approval.

	TERM	GRADE	Credits	Р	Т
Grad School Essentials – Complete 2 credits					
ECE 563 Grad School Essentials I					
ECE 564 Grad School Essentials II					
Core – Complete 20 credits					
EE 516 Mathematical Foundations of Machine Learning					
EE 520 Random Processes					
EE 522 Discrete- Time Signal Processing					
EE 523 Estimation & Detection					
EE 518 Machine Learning Theory & Algorithms					
EE 519 Deep Learning Theory & Practice					
EE 525 Spectral Estimation					
EE 526 Adaptive Filters					
EE 527 Sensor Array Processing					
EE 528 State Space Tracking					
EE 529 Signal Processing Practicum					
ECE 568 Introductory Image Processing					
ECE 569 Advanced Image Processing					
ECE 570 Computer Vision					
Thesis – Complete 9 credits					
ECE 503 Thesis					
ECE 503 Thesis					
ECE 503 Thesis					
Electives – Complete 14 credits					
Write in course number and name					
		TOTAL CREDITS:			
		CREDITS:			
lotes:					
Email:	ID#:				
6. 1					
Student Name:	Signature:				
(Last) (First)					
Adviser:	Signature:				
(Last) (First)					
V - 29					
ECE Graduate Director Signature:			Date:		