

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	P	T
Grad School Essentials – Complete 2 credits					
ECE 563 Grad School Essentials I					
ECE 564 Grad School Essentials II					
Core – Complete 20 credits					
EE 513 Introductory Image Processing					
EE 514 Advanced Image Processing					
EE 515 Computer Vision					
EE 516 Mathematical Foundations of Machine Learning					
EE 518 Machine Learning Theory & Algorithms					
EE 519 Deep Learning Theory & Practice					
EE 520 Random Processes					
EE 522 Discrete- Time Signal Processing					
EE 523 Estimation & Detection					
EE 525 Spectral Estimation					
<u>EE 526 Adaptive Filters</u>					
EE 527 Sensor Array Processing					
EE 528 State Space Tracking					
EE 529 Signal Processing Practicum					
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:			

Notes: _____

Email: _____

ID#: _____

Student Name: _____
(Last) (First)

Signature: _____

Adviser: _____
(Last) (First)

Signature: _____

ECE Graduate Director Signature: _____ Date: _____