

## Electrical Engineering BS with Early Entry Machine Learning MS V1

		Fall					Spring					
<b>Year 1</b>	ELE	1000	Intro to Electrical Engineering	2	2	3	ELE	2001	Electric Circuits I: Theory and Applications	3	2	4
	ELE	1601	Intro to Programming for EEs	3	0	3	CPE	1500	Digital Logic	3	2	4
	MTH	1110	Calculus I	4	0	4	MTH	1120	Calculus II	4	0	4
	CHM	1010	Chemistry I	3	2	4	PHY	1110	Physics I – Mechanics and Thermodynamics	3	2	4
	COM	1001	College Writing	3	0	3						
Year 1 – Fall – 15-4-17						Year 1 – Spring – 13-6-16						
<b>Year 2</b>	ELE	2610	Embedded Systems	3	2	4	ELE	2011	Electric Circuits II: Theory and Applications	4	0	4
	PHY	1120	Physics II – Electricity, Magnetism, & Optics	3	2	4	ELE	2510	Digital Systems	3	2	4
	MTH	2140	Differential Equations	3	0	3	MTH	2130	Calculus III	4	0	4
	COM	2001	Writing for the STEM Disciplines	3	0	3	PHY	3700	Physics of Semiconductor	3	2	4
	IDS	2020	Career Development	1	0	0						
Year 2 – Fall – 13-4-14						Year 2 – Spring – 14-4-16						
<b>Year 3</b>	ELE	3101	Electronics I	3	2	4	ELE	3111	Electronics II	2	2	3
	ELE	3300	Signals and Systems	3	0	3	ELE	3201	Electromagnetics and Transmission Lines	3	2	4
	ELE	3401	Electric Power and Machines	3	2	4	ELE	3310	Intro to Probability and Random Processes	3	0	3
	COM	3001	Professional Presentations	3	0	3	ELE	3320	Digital Signal Processing	2	2	3
			Elective (Exhibit Curiosity)	3	0	3	ELE	3900	Career and Professional Guidance	1	0	1
	Year 3 – Fall – 15-4-17						Year 3 – Spring – 11-6-14					
	Summer	CSC	5120	Software Development for ML	4	0	4					
Year 3 – Summer – 4-0-4												
<b>Year 4</b>	ELE	4901	Electrical Engineering Senior Design I	1	0	3	ELE	4902	Electrical Engineering Senior Design II	1	0	3
	ELE	3701	Control Systems	3	2	4			Elective (Raider Core – Any)	3	0	3
	MTH	2340	Linear Algebra	3	0	3			Elective (Embrace Diversity)	3	0	3
			Elective (Demonstrate Ethical Understanding)	3	0	3			Elective (ML Master's)	4	0	4
	CSC	5610	AI Tools	4	0	4	CSC	5201	Microservices and Cloud Computing	4	0	4
Year 4 – Fall – 14-2-17						Year 4 – Spring – 15-0-17						
	Summer	CSC	6621	Applied Machine Learning	4	0	4					
		PHL	6001	AI Ethics and Governance	4	0	4					
Year 4 – Summer – 8-0-8												
<b>Year 5</b>	CSC	6605	ML Production Systems	4	0	4						
	CSC	7901	Capstone Project	4	0	4						
Year 5 – Fall – 8-0-8												

# Electrical Engineering BS with Early Entry Machine Learning MS V1

