Computer Engineering BS with Early Entry Machine Learning MS V1

		Fall							Spring			
Year 1	CPE	1500	Digital Logic	3	2	4	CPE	1510	Computer Architecture and Assembly Prog	3	2	4
	CSC	1110	Software Development	3	2	4	CSC	1120	Data Structures and Graphical Interfaces	3	2	4
	MTH	1110	Calculus I	4	0	4	MTH	1120	Calculus II	4	0	4
	COM	1001	College Writing	3	0	3	PHY	1110	Physics I – Mechanics and Thermodynamics	3	2	4
			Year 1 – Fall – 13-4-15						Year 1 – Spring – 13-4-15			
Year 2	CPE	2600	Systems Programming	3	2	4	CPE	2601	Embedded Systems	3	2	4
	ELE	2001	Circuits I	3	2	4	ELE	2011	Circuits II	3	2	4
	MTH	2140	Differential Equations	3	0	3	MTH	2130	Calculus III	4	0	4
	PHY	1120	Physics II – Electricity, Magnetism, & Optics	3	2	4			Elective (Exhibit Curiosity)	3	0	3
	IDS	2020	Career Development	1	0	0	COM	2001	Writing for the STEM Disciplines	3	0	3
			Year 2 – Fall – 15-4-17						Year 2 – Spring – 14-4-16			
Year 3	CPE	3600	Advanced Embedded Systems	3	2	4	CPE	3300	Computer Networking	3	2	4
	ELE	3101	Electronics I	3	2	4	ELE	3300	Signals and Systems	2	2	3
	MTH	2480	Probability and Statistics	3	0	3	MTH	2340	Linear Algebra with Applications	3	0	3
	BUS	2411	Building Inclusive Teams	3	0	3	BUS	3420	Innovation and Entrepreneurship	3	0	3
	COM	3001	Professional Presentations	3	0	3			Elective (Embrace Diversity)	3	0	3
			Year 3 – Fall – 13-6-16						Year 3 – Spring – 14-4-16			
Year 4	CPE	4901	Computer Engineering Senior Design I	1	0	3	CPE	4902	Computer Engineering Senior Design II	1	0	3
	ELE	3320	Digital Signal Processing	2	2	3	CPE	4800	Information Security	3	2	4
	PHY	3700	Physics of Semiconductor	3	2	4	MTH	2310	Discrete Math	3	0	3
			Elective (Demonstrate Ethical Understanding)	3	0	3			Elective (Raider Core – Any)	3	0	3
	CSC	5610	AI Tools	4	0	4	CSC	5201	Microservices and Cloud Computing	4	0	4
			Year 4 – Fall – 13-2-16						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			

Year 5	CSC	6605	ML Production Systems	4	0	4
	CSC	7901	Capstone Project	4	0	4
			Elective (ML Master's)	4	0	4
			Elective (ML Master's)	4	0	4
			Year 5 – Fall – 16-0-16			

2023-01-20

Computer Engineering BS with Early Entry Machine Learning MS V1

Computer Engineering BS + Machine Learning MS V1
Early Entry — 2023-01-17

MTH1110 (4) Calculus I
MTH1120 (4) Calculus II
MTH2140 Diff EQ & Matrix
MTH2130 (4) Calculus III
MTH2480 Prob & Stats
MTH2340 Linear Algebra

PHY1110 (4) Physics I
PHY1120 (4) Physics II
PHY3700 (4) Semiconductors
MTH2310 Discrete

CSC5201 (4) Microservices & Cloud Comp
CSC6605 (4) ML Prod. Sys.
ML Engineering Graduate Certificate

CSC1110 (4) Soft. Dev.
CSC1120 (4) DS & Graphics

CSC5610 (4) AI Tools
CSC6621 (4) Applied ML
Applied ML Graduate Certificate
CSC7901 (4) Capstone

ELE2001 (4) Circuits I
ELE2011 (4) Circuits II
ELE3101 (4) Electronics I
ELE3300 Signals
ELE3320 DSP
CPE4800 (4) Info Security

Elective (4) CSC5XXX

CPE1500 (4) Digital Logic
CPE1510 (4) Arch/ASM
CPE2600 (4) Sys. Prog
CPE2601 (4) Embedded
CPE3600 (4) Adv. Embedded
CPE3300 (4) Networking
CPE4901 Sr. Design I
CPE4902 Sr. Design II

Elective (4) CSC5XXX

IDS2020 (0) Career Dev
Elective Raider Core Curiosity
BUS2411 Bldng Incl Tms
BUS3420 Inno & Mkts.

COM1001 College Writing
COM2001 STEM Writing
COM3001 Presentations
Elective Raider Core Diversity
Elective Raider Core Ethics
Elective Raider Core Any
PHL6001 (4) AI Ethics&Gov

| Fall 13-4-15 | Spring 12-6-16 | Fall 13-6-15 | Spring 16-4-18 | Fall 15-4-17 | Spring 14-4-16 | Fall 13-2-17 | Spring 14-2-17 | Summer 8-0-8 Master's | Fall 16-0-16 Master's |

Legend:
- Lab course
- Lecture course
- Counts toward Master's