12

Electromagnetics Waves and

EECS TRACKS

				Applications	
			6.2500	Nanoelectronics and Computing Systems	12
Electrical E	ngineering Track Subjects			Systems	
D: /: /.			Electromagn	etics and Photonic Systems	
Biomedical S			6.2210	Electromagnetic Fields, Forces and	12
6.4800[J]	Biomedical Systems: Modeling and Inference	12		Motion	
And one of the following subjects:			6.2300	Electromagnetics Waves and	12
6.4810[J]	Cellular Neurophysiology and	12		Applications	
0.4010[]]	Computing	12	6.2370	Modern Optics Project Laboratory	12
6.4820[J]	Quantitative and Clinical Physiology	12		(CI-M)	
6.4830[J]	Fields, Forces and Flows in Biological	12	6.6331	Fundamentals of Photonics	12
1 3	Systems		Embedded S	vstoms	
6.486o[J]	Medical Device Design (CI-M)	12	6.1820[J]	Mobile and Sensor Computing	12
			6.2050	Digital Systems Laboratory (CI-M)	12
Communicat	ions and Networks		6.2060	Microcomputer Project Laboratory	12
6.7411	Principles of Digital Communication	12	0.2000	(CI-M)	
And one of th	ne following subjects:		6.4510	Engineering Interactive Technologies	12
6.1800	Computer Systems Engineering (CI-	12	13		
	M)		Energy Syste	ems	
6.3000	Signal Processing	12	6.2200	Electric Energy Systems	12
6.3010	Signals, Systems and Inference	12	And one of th	e following:	
Computer Ar	chitoctura 1		6.2210	Electromagnetic Fields, Forces and	12
6.1920	Constructive Computer Architecture	12		Motion	
6.2050	Digital Systems Laboratory (CI-M)	12	6.2220	Power Electronics Laboratory (CI-M)	12
6.2060	Microcomputer Project Laboratory	12	6.2221	Power Electronics Laboratory -	15
0.2000	(CI-M)	12		Independent Inquiry	
6.5931	Hardware Architecture for Deep	12	Hardware Design		
	Learning		6.1920	Constructive Computer Architecture	12
			6.2050	Digital Systems Laboratory (CI-M)	12
Devices, Circuits, and Systems One of the following subjects:			6.2060	Microcomputer Project Laboratory	12
				(CI-M)	
6.2040	Analog Electronics Laboratory (CI-M)	12			
6.2080	Semiconductor Electronic Circuits	12	Hardware an		
6.2090	Solid-State Circuits	12	6.1800	Computer Systems Engineering (CI-	12
	ne following subjects:		4 1 5 1 5 1	M, CI-M)	
6.2040	Analog Electronics Laboratory (CI-M)	12		llowing subjects:	
6.2050	Digital Systems Laboratory (CI-M)	12	18.404	Theory of Computation	12
6.2060	Microcomputer Project Laboratory	12	6.1040	Software Design	18
(0 -	(CI-M)		6.1060	Software Performance Engineering	18
6.2080	Semiconductor Electronic Circuits	12	6.1100	Computer Language Engineering	12
6.2090	Solid-State Circuits	12	6.1120	Dynamic Computer Language	12
6.2220	Power Electronics Laboratory (CI-M)	12		Engineering	

6.1220[J]

6.1400[J]

15

Power Electronics Laboratory -

Independent Inquiry

6.2221

6.2300

Design and Analysis of Algorithms

Computability and Complexity Theory

12

12

6.1420	Fixed Parameter and Fine-grained Computation	12
6.1600	Foundations of Computer Security	12
6.1810	Operating System Engineering	12
6.1820[J]	Mobile and Sensor Computing	12
6.1850	Computer Systems and Society (CI-M)	12
6.4510	Engineering Interactive Technologies	12
6.4530[J]	Principles and Practice of Assistive Technology	12
6.4550[J]	Interactive Music Systems	12
6.4590[J]	Foundations of Information Policy (CI-M)	12
6.5081	Multicore Programming	12
6.5831	Database Systems	12
6.C ₃₅ [J]	Interactive Data Visualization and Society ²	12
Nanoelectron		
6.2500	Nanoelectronics and Computing Systems	12
And of of the	following:	
6.2540	Nanotechnology: From Atoms to Systems	12
6.2600[J]	Micro/Nano Processing Technology (CI-M)	12
Quantum Sys	stems Engineering	
6.2400	Introduction to Quantum Systems Engineering	12
6.2410	Quantum Engineering Platforms	12
Systems Scie	ence	
6.3000	Signal Processing	12
6.3010	Signals, Systems and Inference	12
6.3260[J]	Networks	12
6.3720	Introduction to Statistical Data Analysis	12
6.3900	Introduction to Machine Learning	12
6.4110	Representation, Inference, and Reasoning in AI	12
6.4200[J]	Robotics: Science and Systems (CI-M)	12
6.4210	Robotic Manipulation (CI-M)	15

Advances in Computer Vision (CI-M)

Computational Imaging: Physics and

Algorithms

Optimization Methods

15

12

12

- In the Computer Architecture track, students can take 6.2050 or 6.2060, but not both.
- Credit cannot be awarded without simultaneous completion of a 6-unit disciplinary module. Consult advisor.

6.8301

6.C27[J]

6.C571[J]