

## EECS SUBJECT GROUPINGS

### Advanced Undergraduate Subjects 2

6.1040	Software Design	18	6.5931	Hardware Architecture for Deep Learning	12
6.1060	Software Performance Engineering	18	6.6331	Fundamentals of Photonics	12
6.1100	Computer Language Engineering	12	6.7201	Optimization Methods	12
6.1120	Dynamic Computer Language Engineering	12	6.8301	Advances in Computer Vision (CI-M)	15
6.1420	Fixed Parameter and Fine-grained Computation	12	6.8371	Digital and Computational Photography	12
6.1600	Foundations of Computer Security	12	6.8611	Quantitative Methods for Natural Language Processing (CI-M)	15
6.1810	Operating System Engineering	12	6.8701	Computational Biology: Genomes, Networks, Evolution	12
6.1820[J]	Mobile and Sensor Computing	12	6.8711[J]	Computational Systems Biology: Deep Learning in the Life Sciences	12
6.1920	Constructive Computer Architecture	12	6.8721[J]	Principles of Synthetic Biology	12
6.2040	Analog Electronics Laboratory (CI-M)	12	6.8801[J]	Biomedical Signal and Image Processing	12
6.2050	Digital Systems Laboratory (CI-M)	12	6.9000	Engineering for Impact	12
6.2060	Microcomputer Project Laboratory (CI-M)	12	18.404	Theory of Computation	12
6.2061	Microcomputer Project Laboratory - Independent Inquiry (CI-M)	15			
6.2090	Solid-State Circuits	12			
6.2200	Electric Energy Systems	12			
6.2220	Power Electronics Laboratory (CI-M)	12			
6.2221	Power Electronics Laboratory - Independent Inquiry (CI-M)	15			
6.2400	Introduction to Quantum Systems Engineering	12			
6.2530	Introduction to Nanoelectronics	12			
6.3100	Dynamical System Modeling and Control Design	12			
6.3260[J]	Networks	12			
6.3720	Introduction to Statistical Data Analysis	12			
6.3730[J]	Statistics, Computation and Applications	12			
6.4210	Robotic Manipulation (CI-M)	15			
6.4400	Computer Graphics	12			
6.4420[J]	Computational Design and Fabrication	12			
6.4510	Engineering Interactive Technologies	12			
6.4830[J]	Fields, Forces and Flows in Biological Systems	12			
6.4860[J]	Medical Device Design (CI-M)	12			
6.5081	Multicore Programming	12			
6.5151	Large-scale Symbolic Systems	12			
6.5831	Database Systems	12			