

EECS SUBJECT GROUPINGS

Advanced Departmental Laboratory Subjects

6.1040	Software Design	18
6.1060	Software Performance Engineering	18
6.1100	Computer Language Engineering	12
6.1820[J]	Mobile and Sensor Computing	12
6.1920	Constructive Computer Architecture	12
6.2040	Analog Electronics Laboratory (CI-M)	12
6.2050	Digital Systems Laboratory (CI-M)	12
6.2060	Microcomputer Project Laboratory (CI-M)	12
6.2061	Microcomputer Project Laboratory - Independent Inquiry (CI-M)	15
6.2090	Solid-State Circuits	12
6.2092	Solid-State Circuits	12
6.2220	Power Electronics Laboratory (CI-M)	12
6.2221	Power Electronics Laboratory - Independent Inquiry (CI-M)	15
6.2370	Modern Optics Project Laboratory (CI-M)	12
6.2410	Quantum Engineering Platforms	12
6.2540	Nanotechnology: From Atoms to Systems	12
6.2600[J]	Micro/Nano Processing Technology (CI-M)	12
6.3100	Dynamical System Modeling and Control Design	12
6.4200[J]	Robotics: Science and Systems (CI-M)	12
6.4400	Computer Graphics	12
6.4420[J]	Computational Design and Fabrication	12
6.4550[J]	Interactive Music Systems	12
6.4570[J]	Creating Video Games	12
6.4860[J]	Medical Device Design (CI-M)	12
6.4880[J]	Biological Circuit Engineering Laboratory (CI-M)	12
6.5081	Multicore Programming	12
6.8301	Advances in Computer Vision (CI-M)	15
6.8611	Quantitative Methods for Natural Language Processing (CI-M)	15
6.8701	Computational Biology: Genomes, Networks, Evolution	12
6.8801[J]	Biomedical Signal and Image Processing	12

6.9030	Strobe Project Laboratory (CI-M)	12
6.C35[J]	Interactive Data Visualization and Society	12

Advanced Undergraduate Subjects 2

6.1040	Software Design	18
6.1060	Software Performance Engineering	18
6.1100	Computer Language Engineering	12
6.1120	Dynamic Computer Language Engineering	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
6.1920	Constructive Computer Architecture	12
6.2040	Analog Electronics Laboratory (CI-M)	12
6.2050	Digital Systems Laboratory (CI-M)	12
6.2060	Microcomputer Project Laboratory (CI-M)	12
6.2061	Microcomputer Project Laboratory - Independent Inquiry (CI-M)	15
6.2080	Semiconductor Electronic Circuits	12
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

EECS SUBJECT GROUPINGS

6.5151	Large-scale Symbolic Systems	12
6.5831	Database Systems	12
6.5931	Hardware Architecture for Deep Learning	12
6.6331	Fundamentals of Photonics	12
6.7120	Principles of Modeling, Computing and Control for Decarbonized Electric Energy Systems	12
6.8301	Advances in Computer Vision (CI-M)	15
6.8371	Digital and Computational Photography	12
6.8611	Quantitative Methods for Natural Language Processing (CI-M)	15
6.8701	Computational Biology: Genomes, Networks, Evolution	12
6.8711[J]	Computational Systems Biology: Deep Learning in the Life Sciences	12
6.8721[J]	Principles of Synthetic Biology	12
6.8801[J]	Biomedical Signal and Image Processing	12
6.9000	Engineering for Impact	12
6.C25[J]	Real World Computation with Julia	12
6.C27[J]	Computational Imaging: Physics and Algorithms	12
6.C571[J]	Optimization Methods	12
18.404	Theory of Computation	12

Communication-Intensive in the Major Subjects

6.1800	Computer Systems Engineering (CI-M)	12
6.1850	Computer Systems and Society (CI-M)	12
6.2040	Analog Electronics Laboratory (CI-M)	12
6.2050	Digital Systems Laboratory (CI-M)	12
6.2060	Microcomputer Project Laboratory (CI-M)	12
6.2061	Microcomputer Project Laboratory - Independent Inquiry (CI-M)	15
6.2220	Power Electronics Laboratory (CI-M)	12
6.2221	Power Electronics Laboratory - Independent Inquiry (CI-M)	15
6.2370	Modern Optics Project Laboratory (CI-M)	12
6.2600[J]	Micro/Nano Processing Technology (CI-M)	12
6.4200[J]	Robotics: Science and Systems (CI-M)	12
6.4210	Robotic Manipulation (CI-M)	15

6.4590[J]	Foundations of Information Policy (CI-M)	12
6.4860[J]	Medical Device Design (CI-M)	12
6.4880[J]	Biological Circuit Engineering Laboratory (CI-M)	12
6.8301	Advances in Computer Vision (CI-M)	15
6.8611	Quantitative Methods for Natural Language Processing (CI-M)	15
6.9030	Strobe Project Laboratory	12
6.UAR	Seminar in Undergraduate Advanced Research (CI-M)	6
6.UAT	Oral Communication (CI-M)	9

Independent Inquiry Subjects

6.1040	Software Design	18
6.1060	Software Performance Engineering	18
6.1100	Computer Language Engineering	12
6.1120	Dynamic Computer Language Engineering	12
6.1420	Fixed Parameter and Fine-grained Computation	12
6.1820[J]	Mobile and Sensor Computing	12
6.1850	Computer Systems and Society (CI-M)	12
6.2040	Analog Electronics Laboratory (CI-M)	12
6.2050	Digital Systems Laboratory (CI-M)	12
6.2061	Microcomputer Project Laboratory - Independent Inquiry (CI-M)	15
6.2221	Power Electronics Laboratory - Independent Inquiry (CI-M)	15
6.2370	Modern Optics Project Laboratory (CI-M)	12
6.2410	Quantum Engineering Platforms	12
6.3730[J]	Statistics, Computation and Applications	12
6.4120[J]	Computational Cognitive Science	12
6.4200[J]	Robotics: Science and Systems (CI-M)	12
6.4210	Robotic Manipulation (CI-M)	15
6.4420[J]	Computational Design and Fabrication	12
6.4510	Engineering Interactive Technologies	12
6.4530[J]	Principles and Practice of Assistive Technology	12
6.4590[J]	Foundations of Information Policy (CI-M)	12
6.4880[J]	Biological Circuit Engineering Laboratory (CI-M)	12

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6.8701	Computational Biology: Genomes, Networks, Evolution	12
6.9000	Engineering for Impact	12
6.9030	Strobe Project Laboratory (CI-M)	12
6.C25[J]	Real World Computation with Julia	12
6.C35[J]	Interactive Data Visualization and Society	12
6.UAR	Seminar in Undergraduate Advanced Research (CI-M)	6

Probability Grounding Subjects

6.1200[J]	Mathematics for Computer Science	12
6.3700	Introduction to Probability	12
6.3800	Introduction to Inference	12
18.05	Introduction to Probability and Statistics	12
18.600	Probability and Random Variables	12