Areas of computer science

- Theoretical computer science
  - Theory of computation
    - Automata theory
    - Computability theory
    - Computational complexity theory
    - Cryptography
    - Quantum computing theory
  - Information and coding theory
  - Algorithms and data structures
    - Analysis of algorithms
    - Algorithms
    - Data structures
    - Combinatorial optimization
    - Computational geometry
  - Programming language theory
    - Type theory
    - Compiler design
    - Programming languages
  - Formal methods
- Applied computer science
  - Artificial intelligence
    - Machine learning
    - Computer vision
    - Image processing
    - Pattern recognition
    - Cognitive science
    - Data mining
    - Evolutionary computation
    - Information retrieval
    - Knowledge representation
    - Natural language processing
    - Robotics
    - Medical image computing
  - Computer architecture and engineering
    - Digital logic
    - Microarchitecture
    - Multiprocessing
    - Operating systems
    - Computer networks
    - Databases
    - Information security
    - Ubiquitous computing
    - Systems architecture
    - Compiler design
    - Programming languages
  - Computer Performance Analysis
  - Computer graphics and visualization
  - Computer security and cryptography
  - Computational science
    - Numerical analysis
    - Computational physics
    - Computational chemistry
    - Bioinformatics
  - Computer networks
  - Concurrent, parallel and distributed systems
  - Databases
  - Health informatics
  - Information science
    - Information retrieval
    - Knowledge representation
    - Natural language processing
    - Human computer interaction
    - Software engineering

6.0001 Introduction to Computer Science Programming in Python
6.0002 Introduction to Computational Thinking and Data Science
6.01 Introduction to EECS I
6.02 Introduction to EECS II
6.S03 Special Subject Introduction to EECS II from a Medical Technology Pers...
6.07J Projects in Microscale Engineering for the Life Sciences
6.002 Circuits and Electronics
6.003 Signals and Systems
6.004 Computation Structures
6.005 Elements of Software Construction
6.006 Introduction to Algorithms
6.007 Electromagnetic Energy From Motors to Solar Cells
6.008 Introduction to Inference
6.011 Introduction to Communication, Control, and Signal Processing
6.012 Microelectronic Devices and Circuits
6.013 Electromagnetics and Applications
6.021J Cellular Biophysics and Neurophysiology
6.022J Quantitative Systems Physiology
6.023J Fields, Forces and Flows in Biological Systems
6.024J Molecular, Cellular, and Tissue Biomechanics
6.025J Medical Device Design
6.033 Computer System Engineering
6.034 Artificial Intelligence
6.035 Computer Language Engineering
6.036 Introduction to Machine Learning
6.037 Structure and Interpretation of Computer Programs
6.041 Probabilistic Systems Analysis
6.042J Mathematics for Computer Science
6.045J Automata, Computability, and Complexity
6.046J Design and Analysis of Algorithms
6.047 Computational Biology Genomes, Networks, Evolution
6.049J Evolutionary Biology Concepts, Models and Computation
6.050J Information, Entropy, and Computation
6.057 Introduction to MATLAB
6.058 Preview of Signals and Systems
6.061 Introduction to Electric Power Systems
6.S062-6.S064 Special Subject in Electrical Engineering and Computer Science
6.070J Electronics Project Laboratory
6.071J Electronics, Signals, and Measurement
6.072J Introduction to Digital Electronics
6.073J Creating Video Games
6.S076-6.S084 Special Subject in Electrical Engineering and Computer Science
6.S085-6.S099 Special Subject in Electrical Engineering and Computer Science
6.100 Electrical Engineering and Computer Science Project
6.101 Introductory Analog Electronics Laboratory
6.111 Introductory Digital Systems Laboratory
6.115 Microcomputer Project Laboratory
6.117 Introduction to Electrical Engineering Lab Skills
6.123J Bioinstrumentation Project Lab
6.129J Biological Circuit Engineering Laboratory
6.131 Power Electronics Laboratory
6.141J Robotics Science and Systems I
6.142J Robotics Science and Systems II
6.145 Autonomous Robot Design Competition
6.146 Mobile Autonomous Systems Laboratory MASLAB
6.147 The BattleCode Programming Competition
6.148 Web Programming Competition
6.149 Introduction to Programming Using Python
6.150 Mobile Applications Competition
6.151 iOS Game Design and Development Competition
6.152J Micro/Nano Processing Technology
6.161 Modern Optics Project Laboratory
6.163 Strobe Project Laboratory
6.169 Theory and Application of Circuits and Electronics
6.170 Software Studio
6.172 Performance Engineering of Software Systems
6.175 Constructive Computer Architecture
6.176 Pokerbots Competition
6.177 Building Programming Experience in Python
6.178 Introduction to Software Engineering in Java
6.179 Introduction to C and C++
6.182 Psychoacoustics Project Laboratory
6.S183-6.S192 Special Laboratory Subject in Electrical Engineering and Computer Scie...
6.S193-6.S198 Special Laboratory Subject in Electrical Engineering and Computer

Scie...
6.UAP Undergraduate Advanced Project
6.UAR Seminar in Undergraduate Advanced Research
6.UAT Oral Communication
6.URS Undergraduate Research in Electrical Engineering and Computer Science
6.207J Networks
6.231 Dynamic Programming and Stochastic Control
6.241J Dynamic Systems and Control
6.242 Advanced Linear Control Systems
6.243 Dynamics of Nonlinear Systems
6.245 Multivariable Control Systems
6.246, 6.247 Advanced Topics in Control
6.248, 6.249 Advanced Topics in Numerical Methods
6.251J Introduction to Mathematical Programming
6.252J Nonlinear Optimization
6.253 Convex Analysis and Optimization
6.254 Game Theory with Engineering Applications
6.255J Optimization Methods
6.256 Algebraic Techniques and Semidefinite Optimization
6.260, 6.261 Advanced Topics in Communications
6.262 Discrete Stochastic Processes
6.263J Data-Communication Networks
6.264J Queues Theory and Applications
6.265J Advanced Stochastic Processes
6.266 Network Algorithms
6.267 Heterogeneous Networks Architecture, Transport, Proctocols, and Manage...
6.268 Network Science and Models
6.281J Logistical and Transportation Planning Methods
6.291 Seminar in Systems, Communications, and Control Research
6.301 Solid-State Circuits
6.302 Feedback Systems
6.331 Advanced Circuit Techniques
6.332, 6.333 Advanced Topics in Circuits
6.334 Power Electronics
6.335J Fast Methods for Partial Differential and Integral Equations
6.336J Introduction to Numerical Simulation
6.337J Introduction to Numerical Methods
6.338J Parallel Computing
6.339J Numerical Methods for Partial Differential Equations
6.341 Discrete-Time Signal Processing
6.344 Digital Image Processing
6.345J Automatic Speech Recognition
6.347, 6.348 Advanced Topics in Signals and Systems
6.374 Analysis and Design of Digital Integrated Circuits
6.375 Complex Digital Systems Design
6.376 Bioelectronics
6.431 Applied Probability
6.434J Statistics for Engineers and Scientists
6.435 System Identification
6.436J Fundamentals of Probability
6.437 Inference and Information
6.438 Algorithms for Inference
6.440 Essential Coding Theory
6.441 Information Theory
6.442 Optical Networks
6.450 Principles of Digital Communication
6.452 Principles of Wireless Communication
6.453 Quantum Optical Communication
6.454 Graduate Seminar in Area I
6.456 Array Processing
6.503 Foundations of Algorithms and Computational Techniques in Systems Biol...
6.521J Cellular Biophysics
6.522J Quantitative Physiology Organ Transport Systems
6.524J Molecular, Cellular, and Tissue Biomechanics
6.525J Medical Device Design
6.541J Speech Communication
6.542J Laboratory on the Physiology, Acoustics, and Perception of Speech
6.544, 6.545 Advanced Topics in BioEECS
6.551J Acoustics of Speech and Hearing
6.552J Signal Processing by the Auditory System Perception
6.555J Biomedical Signal and Image Processing
6.556J Data Acquisition and Image Reconstruction in MRI
6.561J Fields, Forces, and Flows in Biological Systems
6.580J Principles of Synthetic Biology
6.581J Foundations of Algorithms and Computational Techniques in Systems Biol...

6.589J Principles of Synthetic Biology
6.608J Introduction to Particle Accelerators
6.630 Electromagnetics
6.631 Optics and Photonics
6.632 Electromagnetic Wave Theory
6.634J Nonlinear Optics
6.637 Optical Signals, Devices, and Systems
6.641 Electromagnetic Fields, Forces, and Motion
6.642 Continuum Electromechanics
6.644, 6.645 Advanced Topics in Applied Physics
6.651J Introduction to Plasma Physics I
6.652J Introduction to Plasma Physics II
6.673 Introduction to Numerical Simulation in Electrical Engineering
6.685 Electric Machines
6.690 Introduction to Electric Power Systems
6.695J Engineering, Economics and Regulation of the Electric Power Sector
6.701 Introduction to Nanoelectronics
6.717J Design and Fabrication of Microelectromechanical Systems
6.719 Nanoelectronics
6.720J Integrated Microelectronic Devices
6.728 Applied Quantum and Statistical Physics
6.730 Physics for Solid-State Applications
6.731 Semiconductor Optoelectronics Theory and Design
6.732 Physics of Solids
6.735, 6.736 Advanced Topics in Materials, Devices, and Nanotechnology
6.763 Applied Superconductivity
6.772 Compound Semiconductor and Heterostructure Devices
6.774 Physics of Microfabrication Front End Processing
6.775 CMOS Analog and Mixed-Signal Circuit Design
6.776 High Speed Communication Circuits
6.777J Design and Fabrication of Microelectromechanical Systems
6.780J Control of Manufacturing Processes
6.781J Nanostructure Fabrication
6.789 Organic Optoelectronics
EE10N How Musical Instruments Work
EE10SC Mathematics of the Information Age
EE14N Things about Stuff
EE15N The Art and Science of Engineering Design
EE17N Engineering the Micro and Nano Worlds From Chips to Genes
EE21N What is Nanotechnology?
EE22N Medical Imaging Systems
EE23N Imaging From the Atom to the Universe
EE27N Electronics Rocks
EE41 Physics of Electrical Engineering (ENGR 40P)
EE46 Engineering For Good Save the World and Have Fun Doing It
EE47 Press Play Interactive Device Design
EE60N Man versus Nature Coping with Disasters Using Space Technology (GEOPHY...
EE65 Modern Physics for Engineers
EE92A Making and Breaking Things
EE100 The Electrical Engineering Profession
EE101A Circuits I
EE101B Circuits II
EE102A Signal Processing and Linear Systems I
EE102B Signal Processing and Linear Systems II
EE103 Introduction to Matrix Methods (CME 103)
EE107 Networked Systems
EE108 Digital System Design
EE109 Digital Systems Design Lab
EE114 Fundamentals of Analog Integrated Circuit Design (EE 214A)
EE116 Semiconductor Device Physics
EE118 Introduction to Mechatronics (ME 210)
EE122A Analog Circuits Laboratory
EE122B Introduction to Biomedical Electronics
EE124 Introduction to Neuroelectrical Engineering
EE133 Analog Communications Design Laboratory (EE 233)
EE134 Introduction to Photonics
EE136 Introduction to Nanophotonics and Nanostructures
EE142 Engineering Electromagnetics
EE151 Sustainable Energy Systems
EE152 Green Electronics
EE153 Power Electronics (EE 253)
EE168 Introduction to Digital Image Processing
EE169 Introduction to Bioimaging
EE178 Probabilistic Systems Analysis
EE179 Analog and Digital Communication Systems

EE180 Digital Systems Architecture
EE190 Special Studies or Projects in Electrical Engineering
EE191 Special Studies and Reports in Electrical Engineering
EE191A Special Studies and Reports in Electrical Engineering
EE191W Special Studies and Reports in Electrical Engineering (WIM)
EE202 Electrical Engineering in Biology and Medicine
EE203 The Entrepreneurial Engineer
EE204 Business Management for Electrical Engineers and Computer Scientists
EE204S Business Management for Electrical Engineers and Computer Scientists
EE212 Integrated Circuit Fabrication Processes
EE213 Digital MOS Integrated Circuits
EE214A Fundamentals of Analog Integrated Circuit Design (EE 114)
EE214B Advanced Analog Integrated Circuit Design
EE216 Principles and Models of Semiconductor Devices
EE222 Applied Quantum Mechanics I
EE223 Applied Quantum Mechanics II
EE225 Bio-chips, Imaging and Nanomedicine (MATSCI 382, SBIO 225)
EE228 Basic Physics for Solid State Electronics
EE230 Biophotonics Light in Biology
EE233 Analog Communications Design Laboratory (EE 133)
EE234 Photonics Laboratory
EE236A Modern Optics
EE236AL MODERN OPTICS - LABORATORY
EE236B Guided Waves
EE236C Lasers
EE237 Solar Energy Conversion
EE242 Electromagnetic Waves
EE243 Semiconductor Optoelectronic Devices
EE247 Introduction to Optical Fiber Communications
EE248 Fundamentals of Noise Processes
EE251 High-Frequency Circuit Design Laboratory
EE252 Antennas
EE253 Power Electronics (EE 153)
EE254 Advanced Topics in Power Electronics
EE256 Numerical Electromagnetics
EE257 Applied Optimization Laboratory (Geophys 258) (GEOPHYS 258)
EE261 The Fourier Transform and Its Applications
EE262 Two-Dimensional Imaging
EE263 Introduction to Linear Dynamical Systems (CME 263)
EE264 Digital Signal Processing
EE265 Digital Signal Processing Laboratory
EE266 Stochastic Control (MS&E 251)
EE271 Introduction to VLSI Systems
EE272 Design Projects in VLSI Systems
EE273 Digital Systems Engineering
EE278 Introduction to Statistical Signal Processing
EE279 Introduction to Digital Communication
EE282 Computer Systems Architecture
EE284 Introduction to Computer Networks
EE290A Curricular Practical Training for Electrical Engineers
EE290B Curricular Practical Training for Electrical Engineers
EE290C Curricular Practical Training for Electrical Engineers
EE290D Curricular Practical Training for Electrical Engineers
EE292B Micro and Nanoscale Biosensing for Molecular Diagnostics
EE292C Chemical Vapor Deposition and Epitaxy for Integrated Circuits and Nano...
EE292H Engineering and Climate Change
EE292I Insanely Great Products How do they get built?
EE292K Intelligent Energy Projects
EE292L Nanomanufacturing
EE292M Parallel Processors Beyond Multi-Core Processing
EE292P Power Management Integrated Circuits
EE292T SmartGrids and Advanced Power Systems Seminar (CEE 272T)
EE293A Solar Cells, Fuel Cells, and Batteries Materials for the Energy Soluti...
EE293B Fundamentals of Energy Processes (ENERGY 293B)
EE300 Master's Thesis and Thesis Research
EE303 Autonomous Implantable Systems
EE304 Neuromorphics Brains in Silicon (BIOE 313)
EE308 Advanced Circuit Techniques
EE309 Semiconductor Memory Devices and Technology
EE310 Integrated Circuits Technology and Design Seminar
EE311 Advanced Integrated Circuits Technology
EE314A RF Integrated Circuit Design
EE314B Advanced RF Integrated Circuit Design
EE315A VLSI Signal Conditioning Circuits
EE315B VLSI Data Conversion Circuits

EE316 Advanced VLSI Devices
EE319 Advanced Nanoelectronic Devices and Technology
EE320 Nanoelectronics
EE323 Energy in Electronics
EE327 Properties of Semiconductor Materials
EE328 Physics of Advanced Semiconductor Devices
EE329 The Electronic Structure of Surfaces and Interfaces (PHOTON 329)
EE331 Biophotonics Light in Medicine and Biology
EE332 Laser Dynamics
EE334 Micro and Nano Optical Device Design
EE336 Nanophotonics (MATSCI 346)
EE340 Optical Micro- and Nano-Cavities
EE345 Optical Fiber Communication Laboratory
EE346 Introduction to Nonlinear Optics
EE348 Advanced Optical Fiber Communications
EE349 Advanced Topics in Nano-Optics and Plasmonics
EE355 Imaging Radar and Applications (GEOPHYS 265)
EE356 Resonant Power Converters and Magnetic Design
EE359 Wireless Communications
EE360 Multiuser Wireless Systems and Networks
EE361 Principles of Cooperation in Wireless Networks
EE364A Convex Optimization I (CME 364A, CS 334A)
EE364B Convex Optimization II (CME 364B)
EE367 Computational Imaging and Display (CS 448I)
EE368 Digital Image Processing (CS 232)
EE369A Medical Imaging Systems I
EE369B Medical Imaging Systems II
EE369C Medical Image Reconstruction
EE371 Advanced VLSI Circuit Design
EE373A Adaptive Signal Processing
EE373B Adaptive Neural Networks
EE376A Information Theory (STATS 376A)
EE376B Network Information Theory (STATS 376B)
EE376C Universal Schemes in Information Theory
EE377 Information Theory and Statistics (STATS 311)
EE378A Statistical Signal Processing
EE378B Inference, Estimation, and Information Processing
EE379 Digital Communication
EE380 Colloquium on Computer Systems
EE382C Interconnection Networks
EE382E Advanced Multi-Core Systems (CS 316)
EE384A Internet Routing Protocols and Standards
EE384B Multimedia Communication over the Internet
EE384C Wireless Local and Wide Area Networks
EE384M Network Science
EE384S Performance Engineering of Computer Systems & Networks
EE384X Packet Switch Architectures
EE385A Robust and Testable Systems Seminar
EE386 Robust System Design
EE387 Algebraic Error Control Codes
EE390 Special Studies or Projects in Electrical Engineering
EE391 Special Studies and Reports in Electrical Engineering
EE392AA Advanced Digital Transmission
EE392E VLSI Signal Processing
EE392F Logic Synthesis of VLSI Circuits
EE392I Seminar on Trends in Computing and Communications
EE392L Modern Cellular Communication Systems
EE392N INTELLIGENT ENERGY SYSTEMS
EE392P Nanoscale Device Physics
EE392Q Parallel Processors Beyond Multicore Processing
EE392R Analog-to-Digital Conversion
EE392T Seminar in Chip Test and Debug
EE392X Power Electronics Control and Energy-Aware Design
EE395 Electrical Engineering Instruction Practice Teaching
EE396 Engineering Education and Online Learning (EDUC 391X)
EE398A Image and Video Compression
EE400 Thesis and Thesis Research
EE402A Topics in International Technology Management
EE402S Topics in International Advanced Technology Research
EE402T Entrepreneurship in Asian High-Tech Industries
EE410 Integrated Circuit Fabrication Laboratory
EE412 Advanced Nanofabrication Laboratory
EE414 RF Transceiver Design Laboratory
EE464 Semidefinite Optimization and Algebraic Techniques
EE469B RF Pulse Design for Magnetic Resonance Imaging

EE801	TGR Project
EE802	TGR Dissertation
EE100	Electronic Techniques for Engineering
EE105	Microelectronic Devices and Circuits
EE117	Electromagnetic Fields and Waves
EE117B	Electromagnetic Fields and Waves II
EE118	Introduction to Optical Engineering
EE119	Introduction to Optical Engineering
EE121	Introduction to Digital Communication Systems
EE122	Introduction to Communication Networks
EE123	Digital Signal Processing
EE125	Introduction to Robotics
EE126	Probability and Random Processes
EE128	Feedback Control Systems
EE129	Neural and Nonlinear Information Processing
EE130	Integrated-Circuit Devices
EE131	Semiconductor Electronics
EE137A	Introduction to Electric Power Systems
EE140	Linear Integrated Circuits
EE141	Introduction to Digital Integrated Circuits
EE142	Integrated Circuits for Communications
EE143	Microfabrication Technology
EE144	Fundamental Algorithms for Systems Modeling, Analys...
EE145A	(renamed to EE145L)
EE145B	Medical Imaging Signals and Systems
EE145L	Introductory Electronic Transducers Laboratory
EE145M	Intro Microcomputer Interfacing Lab
EE147	Introduction to Microelectromechanical Systems
EE149	Introduction to Embedded Systems
EE192	Mechatronics
EE194	EE 194 Seminar Home Pages
EE197	Field Study
EE198	EE 198 Seminar Home Pages
EE199	Supervised Independent Study
EE20	Structure and Interpretation of Systems and Signals
EE201	Strategic Computing and Communications Technology
EE210	Applied Electromagnetic Theory
EE210B	Applied Electromagnetic Theory
EE213	Soft X-Rays and Extreme Ultraviolet Radiation
EE215A	Introduction to Robotics
EE217	Microwave Circuits
EE218A	Introduction to Optical Engineering
EE219	unknown
EE219A	Numerical Simulation and Modeling
EE219B	Logic Synthesis for Hardware Systems
EE219C	Computer-Aided Verification
EE220	Neural & Nonlinear Information Processing
EE220A	Advanced Control Systems I
EE220B	Experiential Advanced Control Design I
EE221A	Linear System Theory
EE222	Nonlinear Systems--Analysis, Stability and Control
EE223	Stochastic Systems Estimation and Control
EE224A	Digital Communication
EE224B	Fundamentals of Wireless Communications
EE225A	Digital Signal Processing
EE225B	Digital Image Processing
EE225C	VLSI Signal Processing
EE225D	Audio Signal Processing
EE226	unknown
EE226A	Random Processes in Systems
EE227A	Introduction to Convex Optimization
EE227BT	Convex Optimization
EE228A	High Speed Communications Networks
EE229	Information Theory and Coding
EE229A	Information Theory and Coding
EE230	Solid State Electronics
EE230A	Integrated-Circuit Devices
EE230B	Solid State Devices
EE230C	Solid State Electronics
EE231	Solid State Devices
EE232	Lightwave Devices
EE233	Lightwave Systems
EE235	Nanoscale Fabrication
EE236A	Quantum and Optical Electronics
EE238	Superconductive Devices and Circuits

EE239 Partially Ionized Plasmas
EE24 Gadgets Electrical Engineers Make
EE240 Analog Integrated Circuit Design and Analysis
EE240A Analog Integrated Circuits
EE240C Analysis and Design of VLSI Analog-Digital Interfac...
EE241 Advanced Digital Integrated Circuits
EE241A Introduction to Digital Integrated Circuits
EE242 Advanced Integrated Circuits for Communications
EE242A Integrated Circuits for Communications
EE242B Advanced Integrated Circuits for Communications
EE243 Advanced IC Processing and Layout
EE244 Fundamental Algorithms for Systems Modeling, Analys...
EE246 Microelectromechanical Systems (MEMS)
EE247 Analog-Digital Interfaces in VLSI Technology
EE247A Introduction to Microelectromechanical Systems
EE249 Design of Embedded Systems Models, Validation, Synthesis
EE249A Introduction to Embedded Systems
EE290A Advanced Topics in Computer-Aided Design
EE290B Advanced Topics in Solid State Devices
EE290C Advanced Topics in Circuit Design
EE290D Advanced Topics in Semiconductor Technology
EE290E Advanced Topics in Electromagnetics and Plasmas
EE290F Advanced Topics
EE290G (renamed to EE245)
EE290H Semiconductor Manufacturing
EE290I Advanced Topics in Wireless Communication
EE290J Advanced Topics in Electrical Engineering
EE290N Advanced Topics in System Theory
EE290N-1 Also PACKARD, A K
EE290O Advanced Topics in Control
EE290P Advanced Topics in Bioelectronics
EE290Q Advanced Topics in Networking
EE290Q-1 Topics in Network Economics
EE290S Advanced Topics
EE290T Advanced Topics in Electrical Engineering
EE290X Strategic Computing and Communications Technology
EE290Y Organic Materials in Electronics
EE291 Control and Optimization of Distributed Parameters ...
EE291E Hybrid Systems and Intelligent Control
EE298 EE 298 Seminar Home Pages
EE299 Individual Research
EE301 Teaching Techniques for Electrical Engineering
EE375 Also SUBRAMANIAN, V
EE40 Introduction to Microelectronic Circuits
EE42 Introduction to Digital Electronics
EE43 Introductory Electronics Lab
EE84 Hands-on Ham Radio
EE97 Field Study
EE98 EE 98 Seminar Home Pages
EE99 Individual Study and Research for Undergraduates
EECS120 Signals and Systems
EECS150 Components and Design Techniques for Digital System...
EECS152 Computer Architecture and Engineering
EECS20N Structure and Interpretation of Signals and Systems
EECS245 Intro to MEMS Design
EEH196A Senior Honors Thesis Research
EEW130 Integrated-Circuit Devices (MAS-IC)
EEW140 Linear Integrated Circuits (MAS-IC)
EEW141 Digital Integrated Circuits (MAS-IC)
EEW142 Integrated Circuits for Communications (MAS-IC)
EEW230A Integrated-Circuit Devices
EEW231 Solid-State Devices (MAS-IC)
EEW240 Advanced Analog Integrated Circuits (MAS-IC)
EEW240A Analog Integrated Circuits
EEW240B Advanced Analog Integrated Circuits
EEW241 Advanced Digital Integrated Circuits (MAS-IC)
EEW241A Introduction to Digital Integrated Circuits
EEW242 Advanced Integrated Circuits for Communications (MAS-IC)
EEW244 Fundamental Algorithms for System Modeling, Analysis, and Optimization...
EEW245 Introduction to MEMS Design (MAS-IC)
EEW247 Analysis and Design of VLSI Analog-Digital Interface Integrated Circui...
EEW290C Advanced Topics in Circuit Design (MAS-IC)
6.801 Machine Vision
6.802J Foundations of Computational and Systems Biology
6.803 The Human Intelligence Enterprise

6.804J Computational Cognitive Science
6.805J Foundations of Information Policy
6.811 Principles and Practice of Assistive Technology
6.813 User Interface Design and Implementation
6.814 Database Systems
6.815 Digital and Computational Photography
6.816 Multicore Programming
6.819 Advances in Computer Vision
6.820 Foundations of Program Analysis
6.823 Computer System Architecture
6.824 Distributed Computer Systems Engineering
6.828 Operating System Engineering
6.829 Computer Networks
6.830 Database Systems
6.831 User Interface Design and Implementation
6.832 Underactuated Robotics
6.833 The Human Intelligence Enterprise
6.834J Cognitive Robotics
6.835 Intelligent Multimodal User Interfaces
6.836 Multicore Programming
6.837 Computer Graphics
6.838 Advanced Topics in Computer Graphics
6.839 Advanced Computer Graphics
6.840J Theory of Computation
6.841J Advanced Complexity Theory
6.842 Randomness and Computation
6.845 Quantum Complexity Theory
6.846 Parallel Computing
6.849 Geometric Folding Algorithms Linkages, Origami, Polyhedra
6.850 Geometric Computing
6.851 Advanced Data Structures
6.852J Distributed Algorithms
6.853 Topics in Algorithmic Game Theory
6.854J Advanced Algorithms
6.856J Randomized Algorithms
6.857 Network and Computer Security
6.858 Computer Systems Security
6.859J Integer Programming and Combinatorial Optimization
6.863J Natural Language and the Computer Representation of Knowledge
6.864 Advanced Natural Language Processing
6.865 Advanced Computational Photography
6.866 Machine Vision
6.867 Machine Learning
6.868J The Society of Mind
6.869 Advances in Computer Vision
6.870 Advanced Topics in Computer Vision
6.872J Biomedical Computing
6.874J Computational Systems Biology
6.875J Cryptography and Cryptanalysis
6.876J Advanced Topics in Cryptography
6.878J Advanced Computational Biology Genomes, Networks, Evolution
6.881-6.884 Advanced Topics in Artificial Intelligence
6.885-6.888 Advanced Topics in Computer Systems
6.889-6.893 Advanced Topics in Theoretical Computer Science
6.894-6.896 Advanced Topics in Graphics and Human-Computer Interfaces
6.902J Engineering Innovation and Design
6.903 Patents, Copyrights, and the Law of Intellectual Property
6.905 Large-scale Symbolic Systems
6.910 Independent Study in Electrical Engineering and Computer Science
6.920 Practical Work Experience
6.921 VI-A Internship
6.922 Advanced VI-A Internship
6.930 Management in Engineering
6.932J Linked Data Ventures
6.933 Entrepreneurship in Engineering The Founder's Journey
6.935J Financial Market Dynamics and Human Behavior
6.941 Statistics for Research Projects Statistical Modeling and Experiment D...
6.945 Large-scale Symbolic Systems
6.946J Classical Mechanics A Computational Approach
6.951 Graduate VI-A Internship
6.952 Graduate VI-A Internship
6.960 Introductory Research in Electrical Engineering and Computer Science
6.961 Introduction to Research in Electrical Engineering and Computer Scienc...
6.962 Independent Study in Electrical Engineering and Computer Science
6.980 Teaching Electrical Engineering and Computer Science

6.981 Teaching Electrical Engineering and Computer Science
6.982J Teaching College-Level Science and Engineering
6.991 Research in Electrical Engineering and Computer Science
6.999 Practical Experience in EECS
6.EPE UPOP Engineering Practice Experience
6.EPW UPOP Engineering Practice Workshop
6.S897-6.S899 Special Subject in Computer Science
6.S911-6.S919 Special Subject in Electrical Engineering and Computer Science
6.S963-6.S967 Special Studies EECS
6.S974 Special Subject in Electrical Engineering and Computer Science
6.S975-6.S979 Special Subject in Electrical Engineering and Computer Science
6.THG Graduate Thesis
6.THM Master of Engineering Program Thesis
6.UR Undergraduate Research in Electrical Engineering and Computer Science
CS1C Introduction to Computing at Stanford
CS1U Practical Unix
CS2C Multimedia Production
CS9 Problem-Solving for the CS Technical Interview
CS10SC Great Ideas in Computer Science
CS27 Literature and Social Online Learning (COMPLIT 239B, ENGLISH 239B)
CS42 Callback Me Maybe Contemporary Javascript
CS45N Computers and Photography From Capture to Sharing
CS54N Great Ideas in Computer Science
CS55N Computer and Information Security
CS74N Digital Dilemmas
CS75N Cell Phones, Sensors, and You
CS76N Elections and Technology
CS81N Hackers and Heroes
CS91SI Digital Canvas Intro to Visual Design on the Web
CS99SI Callback Me Maybe Contemporary JavaScript
CS101 Introduction to Computing Principles
CS103 Mathematical Foundations of Computing
CS105 Introduction to Computers
CS106A Programming Methodology (ENGR 70A)
CS106B Programming Abstractions (ENGR 70B)
CS106L Standard C++ Programming Laboratory
CS106X Programming Abstractions (Accelerated) (ENGR 70X)
CS107 Computer Organization and Systems
CS107E Computer Systems from the Ground Up
CS108 Object-Oriented Systems Design
CS109 Introduction to Probability for Computer Scientists
CS109L Statistical Computing with R Laboratory
CS110 Principles of Computer Systems
CS122 Artificial Intelligence Philosophy, Ethics, & Impact (SYMSYS 122)
CS124 From Languages to Information (LINGUIST 180, LINGUIST 280)
CS131 Computer Vision Foundations and Applications
CS140 Operating Systems and Systems Programming
CS142 Web Applications
CS143 Compilers
CS144 Introduction to Computer Networking
CS145 Introduction to Databases
CS147 Introduction to Human-Computer Interaction Design
CS148 Introduction to Computer Graphics and Imaging
CS149 Parallel Computing
CS154 Introduction to Automata and Complexity Theory
CS155 Computer and Network Security
CS157 Logic and Automated Reasoning
CS161 Design and Analysis of Algorithms
CS164 Computing with Physical Objects Algorithms for Shape and Motion
CS168 The Modern Algorithmic Toolbox
CS170 Stanford Laptop Orchestra Composition, Coding, and Performance (MUSIC ...
CS173 A Computational Tour of the Human Genome
CS178 Digital Photography
CS181 Computers, Ethics, and Public Policy
CS181W Computers, Ethics, and Public Policy (WIM)
CS183B How to Start a Startup
CS190 Software Design Studio
CS191 Senior Project
CS191W Writing Intensive Senior Project (WIM)
CS192 Programming Service Project
CS193A Android Programming
CS193C Client-Side Internet Technologies
CS193P iPhone and iPad Application Programming
CS194 Software Project
CS194H User Interface Design Project

CS194W Software Project (WIM)
CS196 Computer Consulting
CS198 Teaching Computer Science
CS199 Independent Work
CS199P Independent Work
CS200 Care and Feeding of Large-Scale Web Services
CS202 Law for Computer Science Professionals
CS204 Legal Informatics
CS205A Mathematical Methods for Robotics, Vision, and Graphics
CS205B Mathematical Methods for Fluids, Solids, and Interfaces
CS207 The Economics of Software
CS210A Software Project Experience with Corporate Partners
CS210B Software Project Experience with Corporate Partners
CS221 Artificial Intelligence Principles and Techniques
CS222 Rational Agency and Intelligent Interaction (PHIL 358)
CS223A Introduction to Robotics (ME 320)
CS224M Multi-Agent Systems
CS224N Natural Language Processing (LINGUIST 284)
CS224S Spoken Language Processing
CS224U Natural Language Understanding (LINGUIST 188, LINGUIST 288)
CS224W Social and Information Networks
CS225A Experimental Robotics
CS225B Robot Programming Laboratory
CS226 Statistical Techniques in Robotics
CS227B General Game Playing
CS228 Probabilistic Graphical Models Principles and Techniques
CS229 Machine Learning
CS229T Statistical Learning Theory (STATS 231)
CS231A Computer Vision From 3D Reconstruction to Recognition
CS231B The Cutting Edge of Computer Vision
CS231M Mobile Computer Vision
CS231N Convolutional Neural Networks for Visual Recognition
CS232 Digital Image Processing (EE 368)
CS238 Decision Making under Uncertainty (AA 228)
CS239 Advanced Topics in Sequential Decision Making (AA 229)
CS240 Advanced Topics in Operating Systems
CS242 Programming Languages
CS243 Program Analysis and Optimizations
CS244 Advanced Topics in Networking
CS244B Distributed Systems
CS244C Readings and Projects in Distributed Systems
CS244E Networked Wireless Systems
CS245 Database Systems Principles
CS246 Mining Massive Data Sets
CS246H Mining Massive Data Sets Hadoop Lab
CS247 Human-Computer Interaction Design Studio
CS247L Human Computer Interaction Technology Laboratory
CS248 Interactive Computer Graphics
CS249A Object-Oriented Programming from a Modeling and Simulation Perspective
CS249B Large-scale Software Development
CS254 Computational Complexity
CS255 Introduction to Cryptography
CS259D Data Mining for Cyber Security
CS261 Optimization and Algorithmic Paradigms
CS262 Computational Genomics (BIOMEDIN 262)
CS263 Algorithms for Modern Data Models (MS&E 317)
CS264 Beyond Worst-Case Analysis
CS265 Randomized Algorithms and Probabilistic Analysis (CME 309)
CS266 Parameterized Algorithms and Complexity
CS267 Graph Algorithms
CS268 Geometric Algorithms
CS270 Modeling Biomedical Systems Ontology, Terminology, Problem Solving (BI...
CS272 Introduction to Biomedical Informatics Research Methodology (BIOE 212,...
CS273A A Computational Tour of the Human Genome (BIOMEDIN 273A, DBIO 273A)
CS274 Representations and Algorithms for Computational Molecular Biology (BI...
CS275 Translational Bioinformatics (BIOMEDIN 217)
CS275A Symbolic Musical Information (MUSIC 253)
CS275B Music Query, Analysis, and Style Simulation (MUSIC 254)
CS276 Information Retrieval and Web Search (LINGUIST 286)
CS277 Experimental Haptics
CS279 Computational Biology Structure and Organization of Biomolecules and C...
CS294A Research Project in Artificial Intelligence
CS294H Research Project in Human-Computer Interaction
CS294S Research Project in Software Systems and Security
CS294W Writing Intensive Research Project in Computer Science

CS295	Software Engineering
CS298	Seminar on Teaching Introductory Computer Science (EDUC 298)
CS300	Departmental Lecture Series
CS309	Industrial Lectureships in Computer Science
CS309A	Cloud Computing
CS315A	Parallel Computer Architecture and Programming
CS316	Advanced Multi-Core Systems (EE 382E)
CS319	Topics in Digital Systems
CS327A	Advanced Robotic Manipulation
CS328	Topics in Computer Vision
CS329	Topics in Artificial Intelligence
CS331A	Advanced Reading in Computer Vision
CS331B	3D Representation and Recognition
CS334A	Convex Optimization I (CME 364A, EE 364A)
CS340	Topics in Computer Systems
CS341	Project in Mining Massive Data Sets
CS344	Topics in Computer Networks
CS344E	Advanced Wireless Networks
CS344G	(Your) Great Ideas for Networked Applications
CS346	Database System Implementation
CS347	Parallel and Distributed Data Management
CS348B	Computer Graphics Image Synthesis Techniques
CS349	Topics in Programming Systems
CS349C	Topics in Programming Systems Readings in Distributed Systems
CS358	Topics in Programming Language Theory
CS359	Topics in the Theory of Computation
CS361A	Advanced Algorithms
CS361B	Advanced Algorithms
CS364A	Algorithmic Game Theory
CS369	Topics in Analysis of Algorithms
CS369E	Topics in Analysis of Algorithms Communication Complexity (for Algorit...
CS371	Computational Biology in Four Dimensions (CME 371)
CS374	Algorithms in Biology (BIOMEDIN 374)
CS376	Human-Computer Interaction Research
CS377	Topics in Human-Computer Interaction
CS377D	Topics in Learning and Technology d.compress - Designing Calm (EDUC 32...
CS377W	HCI Issues in Wearable Computing
CS379	Interdisciplinary Topics
CS379L	Designing Liberation Technology (POLISCI 337T)
CS390A	Curricular Practical Training
CS390B	Curricular Practical Training
CS390C	Curricular Practical Training
CS390P	Part-time Curricular Practical Training
CS393	Computer Laboratory
CS395	Independent Database Project
CS399	Independent Project
CS399P	Independent Project
CS402	Beyond Bits and Atoms Designing Technological Tools (EDUC 236X)
CS402L	Beyond Bits and Atoms - Lab (EDUC 211X)
CS424M	Learning Analytics and Computational Modeling in Social Science (EDUC ...
CS427	Hero's Journey AI and Game Theory in 3D Real-time Storytelling
CS431	High-Level Vision Object Representation (PSYCH 250)
CS442	High Productivity and Performance with Domain-specific Languages in Sc...
CS448	Topics in Computer Graphics
CS448B	Data Visualization
CS448I	Computational Imaging and Display (EE 367)
CS448X	Math and Computer Science behind Special Effects
CS476A	Music, Computing, and Design I Software Paradigms for Computer Music (...
CS476B	Music, Computing, Design II Mobile Music (MUSIC 256B)
CS499	Advanced Reading and Research
CS499P	Advanced Reading and Research
CS545	Information and Data Analytics Seminar
CS546	Seminar on Liberation Technologies (POLISCI 337S)
CS547	Human-Computer Interaction Seminar
CS548	Internet and Distributed Systems Seminar
CS571	Surgical Robotics Seminar (ME 571)
CS801	TGR Project
CS802	TGR Dissertation
CS10	The Beauty and Joy of Computing
CS123	ISG Test Class
CS149	Introduction to Embedded Systems
CS150	Components and Design Techniques for Digital System...
CS152	Computer Architecture and Engineering
CS160	User Interface Design and Development
CS161	Computer Security

CS162	Operating Systems and System Programming
CS164	Programming Languages and Compilers
CS168	Introduction to the Internet
CS169	Software Engineering
CS170	Efficient Algorithms and Intractable Problems
CS172	Computability and Complexity
CS174	Combinatorics and Discrete Probability
CS176	Algorithms for Computational Biology
CS182	Neural Basis of Thought and Language
CS184	Foundations of Computer Graphics
CS186	Introduction to Database Systems
CS188	Introduction to Artificial Intelligence
CS191	Quantum Information Science and Technology
CS194	CS 194 Seminar Home Pages
CS195	Social Implications of Computer Technology
CS198	CS98/198 Directed Group Studies for Advanced Undergraduates
CS199	Independent Study
CS234	unknown
CS24	CS Scholars Seminar
CS249A	Introduction to Embedded Systems
CS250	VLSI Systems Design
CS252	Graduate Computer Architecture
CS254	Topics in VLSI Systems Design
CS260	Research Topics in Human-Computer Interaction
CS260A	User Interface Design and Development
CS262	Advanced Topics in Computer Systems
CS262A	Advanced Topics in Computer Systems
CS263	Design of Programming Languages
CS264	Implementation of Programming Languages
CS265	Advanced Programming Language Implementation
CS266	Introduction to System Performance Analysis
CS267	Applications of Parallel Computers
CS268	Graduate Computer Networking
CS274	Computational Geometry
CS275	unknown
CS276	Cryptography
CS280	Computer Vision
CS281A	Statistical Learning Theory
CS282	Algebraic Algorithms
CS283	Advanced Computer Graphics Algorithms and Techniques
CS284	Computer-Aided Geometric Design
CS284A	Foundations of Computer Graphics
CS285	Solid Free-Form Modeling and Fabrication
CS286	Implementation of Database Systems
CS286B	Implementation of Data Base Systems
CS287	Advanced Robotics
CS288	Natural Language Processing
CS289	Knowledge Representation and Reasoning
CS294	CS 294 Seminar Home Pages
CS297	Field Studies in Computer Science
CS298	CS 298 Seminar Home Pages
CS299	Individual Research
CS3	Introduction to Symbolic Programming
CS301	Teaching Techniques for Computer Science
CS302	Designing Computer Science Education
CS30S	unknown
CS375	Teaching Techniques for Computer Science
CS39A	Introduction to Computer Animation
CS39E	Freshman Seminar
CS39J	The Art and Science of Photography
CS39K	Information Technology
CS39S	Photographic Technique in the Free Speech Movement and Today
CS3S	Intro to Symbolic Programming (Self Paced)
CS4	Introduction to Computing for Engineers
CS47A	Completion of Work in Computer Science 61A
CS47B	Completion of Work in Computer Science 61B
CS47C	Completion of Work in Computer Science 61C
CS602	Individual Study for Doctoral Students
CS61A	The Structure and Interpretation of Computer Progra...
CS61AS	The Structure and Interpretation of Computer Progra...
CS61B	Data Structures
CS61BL	Data Structures (UCWise section)
CS61C	Machine Structures
CS61CL	Machine Structures (UCWise section)
CS70	Discrete Mathematics and Probability Theory

CS84 Interactive Choreography in 3D Tele-Immersive Spaces
CS98 CS98/198 Directed Group Studies for Advanced Undergraduates
CS9A Matlab for Programmers
CS9B Pascal for Programmers (Self Paced)
CS9C C for Programmers
CS9D Scheme and Functional Programming for Programmers
CS9E Productive Use of the UNIX Environment
CS9E-1 (see CS9E)
CS9E-2 (see CS9E)
CS9F C++ for Programmers
CS9G JAVA for Programmers
CS9H Python for Programmers

Total 910 courses
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