

Electrical Engineering & Computer Science Undergraduate Workload Survey (Spring 2012) [n=584]

Program	Computer Engineering: 19.2%	Computer Science: 46.6%	Electrical Engineering: 34.2%					
Gender	Male: 84.1%	Female: 14.0%	N/R: 1.9%					
Cumulative GPA	>3.75: 24.1%	3.5-3.74: 22.8%	3.25-3.49: 17.0%	3.0-3.24: 16.1%	2.75-2.99: 6.2%	2.5-2.74: 4.6%	<2.5: 2.6%	N/R: 6.7%
Graduation Year	10/11: 6.0%	11/12: 23.5%	12/13: 34.1%	13/14: 28.1%	14/15: 5.0%	N/R: 3.4%		

	Light	Moderate	Heavy	Extremely Heavy	Response Total	Average (1=Light, 4=Extr)
182 - Building Applications for Info. Systems	22% (38)	61.3% (106)	11.6% (20)	5.2% (9)	173	2.0
183 - Elementary Programming Concepts	47.4% (27)	47.4% (27)	5.3% (3)	0	57	1.5
203 - Discrete Mathematics	25.6% (89)	58.3% (203)	12.9% (45)	3.2% (11)	348	1.9
215 - Introduction to Circuits	2.7% (7)	45.4% (118)	45.8% (119)	6.2% (16)	260	2.5
216 - Introduction to Signals and Systems	4.0% (9)	49.1% (111)	34.1% (77)	12.8% (29)	226	2.5
230 - Electromagnetics I	10.9% (17)	56.4% (88)	29.5% (46)	3.2% (5)	156	2.2
250 - Electronic Sensing Systems	87.5% (7)	12.5% (1)	0	0	8	1.1
270 - Introduction to Logic Design	6.1% (16)	54.2% (143)	37.1% (98)	2.7% (7)	264	2.3
280 - Programming and Introductory Data Structures	5.2% (26)	50.2% (250)	36.3% (181)	8.2% (41)	498	2.4
281 - Data Structures and Algorithms	0.6% (2)	18.7% (61)	61.8% (202)	19.0% (62)	327	2.9
282 - Information Systems Design & Programming	50.0% (5)	40% (4)	0	10.0% (1)	10	1.7
285 - A Programming Language or Computer System	53.1% (26)	34.7% (17)	10.2% (5)	2.0% (1)	49	1.6

	Light	Moderate	Heavy	Extremely Heavy	Response Total	Average (1=Light, 4=Extr)
311 - Electronic Circuits	4.4% (3)	38.2% (26)	48.5% (33)	8.8% (6)	68	2.6
312 - Digital Integrated Circuits	3.8% (3)	31.6% (25)	48.1% (38)	16.5% (13)	79	2.7
314 - Electrical Circuits, Systems, and Applications	28.6% (2)	42.9% (3)	14.3% (1)	14.3% (1)	7	2.1
320 - Introduction to Semiconductor Devices	19.4% (32)	64.2% (106)	15.2% (25)	1.2% (2)	165	1.9
330 - Electromagnetics II	14.3% (6)	73.8% (31)	9.5% (4)	2.4% (1)	42	2.0
334 - Principles of Optics	46.9% (15)	46.9% (15)	6.3% (2)	0	32	1.5
370 - Introduction to Computer Organization	12.8% (37)	66.6% (193)	17.9% (52)	2.8% (8)	290	2.1
373 - Design of Microprocessor Based Systems	1.9% (1)	15.1% (8)	41.6% (22)	41.6% (22)	53	3.2
376 - Foundations of Computer Science	27.2% (49)	58.3% (105)	12.8% (23)	1.7% (3)	180	1.8
381 - Object Oriented and Advanced Programming	0	0	9.8% (4)	90.2% (37)	41	3.9
382 - Internet-scale Computing	50.0% (7)	50.0% (7)	0	0	14	1.5

	Light	Moderate	Heavy	Extremely Heavy	Response Total	Average (1=Light, 4=Extr)
401 - Probabilistic Methods in Engineering	10.9% (12)	50.9% (56)	32.7% (36)	5.5% (6)	110	2.3
406 - High-Tech Entrepreneurship (ENGR 406)	100.0% (6)	0	0	0	6	1.0
410 - Patent Fundamentals for Engr. (ENGR 410)	62.5% (5)	25.0% (2)	12.5% (1)	0	8	1.5
411 - Microwave Circuits I	0	33.3% (2)	50.0% (3)	16.7% (1)	6	2.8
413 - Monolithic Amplifier Circuits	0	9.1% (1)	54.5% (6)	36.4% (4)	11	3.2
414 - Introduction to MEMS	0	50.0% (1)	50.0% (1)	0	2	2.5
417 - Electrical Biophysics	42.9% (3)	57.1% (4)	0	0	7	1.5
418 - Power Electronics	0	37.5% (3)	37.5% (3)	25.0% (2)	8	2.8
419 - Electric Machinery and Drives	7.7% (1)	38.5% (5)	53.8% (7)	0	13	2.4
420 - Physical Principles Underlying Smart Devices	0	0	100.0% (1)	0	1	3.0
421 - Properties of Transistors	0	0	100.0% (1)	0	1	3.0
423 - Solid-State Device Laboratory	0	33.3% (2)	66.7% (4)	0	6	2.6
425 - Integrated Microsystems Laboratory	0	40.0% (2)	20.0% (1)	40.0% (2)	5	3.0
427 - VSLI Design I	0	0	20.0% (4)	80.0% (16)	20	3.8
429 - Semiconductor Optoelectronic Devices	11.1% (1)	55.6% (5)	22.2% (2)	11.1% (1)	9	2.3
430 - Radiowave Propagation and Link Design	0	38.5% (5)	46.2% (6)	15.4% (2)	13	2.7
434 - Principles of Photonics	66.7% (2)	33.3% (1)	0	0	3	1.3

435 - Fourier Optics	0	0	0	0	0	0
438 - Advanced Lasers and Optics Laboratory	0	100.0% (4)	0	0	4	2.0
441 - Mobile App Development for Entrepreneurs	53.8% (7)	38.5% (5)	7.7% (1)	0	13	1.5
442 - Computer Vision	33.3% (1)	33.3% (1)	33.3% (1)	0	3	2.0
451 - Digital Signal Processing and Analysis	37.0% (34)	56.5% (52)	6.5% (6)	0	92	1.7
452 - Digital Signal Processing Design Laboratory	0	13.5% (5)	48.6% (18)	37.8% (14)	37	3.3
455 - Digital Communication Signals and Systems	9.5% (2)	52.4% (11)	28.6% (6)	9.5% (2)	21	2.3

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458 - Biomedical Instrumentation & Design	40.0% (2)	40.0% (2)	20.0% (1)	0	5	1.8
460 - Control Systems Analysis and Design	21.4% (15)	71.4% (50)	5.7% (4)	1.4% (1)	70	1.8
461 - Embedded Control Systems	25.5% (14)	54.5% (30)	16.4% (9)	3.6% (2)	55	1.9
463 - Power Systems Design and Operation	0	83.3% (5)	16.7% (1)	0	6	2.1
470 - Computer Architecture	0	3.8% (2)	15.4% (8)	80.8% (42)	52	3.7
475 - Introduction to Cryptography	0	83.3% (10)	16.7% (2)	0	12	2.1
477 - Introduction to Algorithms	9.1% (2)	31.8% (7)	50.0% (11)	9.1% (2)	22	2.5
478 - Logic Circuit Synthesis and Optimization	5.6% (1)	66.7% (12)	16.7% (3)	11.1% (2)	18	2.3
480 - Logic and Formal Verification	0	100.0% (3)	0	0	3	2.0
481 - Software Engineering	4.2% (1)	58.3% (14)	25.0% (6)	12.5% (3)	24	2.4
482 - Introduction to Operating Systems	1.6% (2)	11.0% (14)	64.6% (82)	22.8% (29)	127	3.0
483 - Compiler Construction	11.5% (3)	42.3% (11)	42.3% (11)	3.8% (1)	26	2.3
484 - Database Management Systems	15.9% (17)	73.8% (79)	10.3% (11)	0	107	1.9
485 - Web Database and Information Systems	5.1% (2)	69.2% (27)	25.6% (10)	0	39	2.2
487 - Interactive Computer Graphics	0	28.6% (4)	35.7% (5)	35.7% (5)	14	3.0
489 - Computer Networks	26.7% (4)	66.7% (10)	6.7% (1)	0	15	1.8
490 - Programming Languages	100.0% (1)	0	0	0	1	1.0
492 - Introduction to Artificial Intelligence	6.8% (5)	41.9% (31)	43.2% (32)	8.1% (6)	74	2.5
493 - User Interface Development	28.6% (10)	57.1% (20)	11.4% (4)	2.9% (1)	35	1.8
494 - Computer Game Design and Development	0	0	52.9% (9)	47.1% (8)	17	3.4
495 - Patent Fundamentals for Engineers	100.0% (1)	0	0	0	1	1.0
496 - Major Design Experience Professionalism	89.1% (82)	8.7% (8)	2.2% (2)	0	92	1.1
497 - EECS Major Design Projects	19.1% (8)	50.0% (21)	28.6% (12)	2.4% (1)	42	2.1