

Electrical Engineering & Computer Science Undergraduate Workload Survey (Spring 2018) [n= 617]						
Program	Computer Engineering: 12%	Computer Science: 67%	Electrical Engineering: 14%			
	Data Science: 3%	Computer Science Minor: 3%	Electrical Engineering Minor: 1%			
Gender	Male: 77%	Female: 21%	Prefer not to answer: 2%			
Graduation Year	16/17: 5.2%	17/18: 24.6%	18/19: 31.0%	19/20: 29.8%	20/21: 9.4%	

	Light	Moderate	Heavy	Extremely Heavy	Response Total	Average Score (1=Light, 4=Extremely Heavy)
101 - Thriving in a Digital World	59.5% (50)	40.5% (34)	0	0	84	1.40
183 - Elementary Programming Concepts	53.4% (79)	41.2% (61)	5.4% (8)	0	148	1.52
201 - Computer Science Pragmatics	0	100% (5)	0	0	5	2.00
203 - Discrete Mathematics	18.0% (82)	69.0% (314)	11.7% (53)	1.3% (6)	455	1.96
215 - Introduction to Circuits	9.0% (14)	67.1% (104)	21.3% (33)	2.6% (4)	155	2.17
216 - Introduction to Signals and Systems	0.9% (1)	37.5% (42)	50.9% (57)	10.7% (12)	112	2.71
230 - Electromagnetics I	16.7% (10)	70.0% (42)	13.3% (8)	0.0%	60	1.97
250 - Electronic Sensing Systems	83.3% (5)	0	0	16.7% (1)	6	1.50
270 - Introduction to Logic Design	3.9% (5)	65.1% (84)	27.9% (36)	3.1% (4)	129	2.30
280 - Programming and Introductory Data Structures	6.4% (34)	68.1% (362)	23.9% (127)	1.7% (9)	532	2.21
281 - Data Structures and Algorithms	0.5% (2)	14.3% (64)	58.9% (264)	26.3% (118)	448	3.11
285 - A Programming Language or Computer System	54.6% (12)	36.4% (8)	9.1% (2)	0	22	1.55

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301 - Probabilistic Methods in Engineering	29.0% (18)	50.0% (31)	19.4% (12)	1.6% (1)	62	1.94
311 - Electronic Circuits	0	22.9% (8)	62.9% (22)	14.3% (5)	35	2.91
312 - Digital Integrated Circuits	4.0% (1)	32.0% (8)	60.0% (15)	4.0% (1)	25	2.64
314 - Electrical Circuits, Systems, and Applications	25.0% (1)	25.0% (1)	25.0% (1)	25.0% (1)	4	2.50
320 - Introduction to Semiconductor Devices	24.2% (15)	50.0% (31)	25.8% (16)	0	62	2.02
330 - Electromagnetics II	8.3% (1)	58.3% (7)	33.3% (4)	0	12	2.25
334 - Principles of Optics	64.0% (16)	32.0% (8)	4.0% (1)	0	25	1.40
351 - Introduction to Digital Signal Processing	36.6% (15)	53.7% (22)	7.3% (3)	2.4% (1)	41	1.76
367 - Introduction to Autonomous Robotics	25.0% (1)	75.0% (3)	0	0	4	1.75
370 - Introduction to Computer Organization	9.6% (36)	66.0% (248)	22.3% (84)	2.1% (8)	376	2.17
373 - Introduction to Embedded Systems Design	0	7.7% (4)	65.4% (34)	27.0% (14)	52	3.19
376 - Foundations of Computer Science	14.2% (37)	60.2% (157)	22.2% (58)	3.5% (9)	261	2.15
381 - Object Oriented and Advanced Programming	0	0	24.0% (6)	76.0% (19)	25	3.76
388 - Introduction to Computer Security	25.6% (52)	64.0% (130)	9.9% (20)	0.5% (1)	203	1.85

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411 - Microwave Circuits I	0	0	0	0	0	0.00
413 - Monolithic Amplifier Circuits	0	80.0% (4)	20.0% (1)	0	5	2.20
414 - Introduction to MEMS	18.2% (2)	81.9% (9)	0	0	11	1.82
417 - Electrical Biophysics	33.3% (2)	66.7% (4)	0	0	6	1.67
418 - Power Electronics	0	20.0% (1)	60.0% (3)	20.0% (1)	5	3.00
419 - Electric Machinery and Drives	0	53.9% (7)	38.5% (5)	7.7% (1)	13	2.54
421 - Properties of Transistors	0	100.0% (1)	0	0	1	2.00
423 - Solid-State Device Laboratory	50.0% (1)	50.0% (1)	0	0	2	1.50
425 - Integrated Microsystems Laboratory	0	0	33.3% (1)	66.7% (2)	3	3.67
427 - VSLI Design I	0	11.1% (1)	11.1% (1)	77.8% (7)	9	3.67
429 - Semiconductor Optoelectronic Devices	33.3% (1)	33.3% (1)	33.3% (1)	0	3	2.00
430 - Wireless Link Design	0	0	0	100.0% (1)	1	4.00
434 - Principles of Photonics	0	25.0% (1)	50.0% (2)	25.0% (1)	4	3.00

435 - Fourier Optics	0	0	0	0	0	0.00
438 - Advanced Lasers and Optics Laboratory	20.0% (1)	60.0% (3)	20.0% (1)	0	5	2.00
441 - Mobile App Development for Entrepreneurs	72.1% (31)	21.0% (9)	7.0% (3)	0	43	1.35
442 - Computer Vision	13.0% (3)	52.2% (12)	30.4% (7)	4.4% (1)	23	2.67
443 - Senior Thesis	0	33.3% (1)	66.7% (2)	0	3	2.57
444 - Analysis of Societal Networks	0	100.0% (1)	0	0	1	2.00
445 - Introduction to Machine Learning	2.3% (2)	10.2% (9)	61.4% (54)	26.1% (23)	88	3.11
452 - Digital Signal Processing Design Laboratory	0	18.8% (3)	43.8% (7)	37.5% (6)	16	3.19
453 - Applied Matrix Algorithms for Signal Processing	0	0	0	0	0	0.00
455 - Wireless Communication Systems	20.0% (1)	60.0% (3)	20.0% (1)	0	5	2.00

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458 - Biomedical Instrumentation & Design	57.1% (4)	42.9% (3)	0	0	7	1.43
460 - Control Systems Analysis and Design	19.4% (6)	77.4% (24)	0	3.2% (1)	31	1.87
461 - Embedded Control Systems	14.3% (6)	59.5% (25)	23.8% (10)	2.4% (1)	42	2.14
463 - Power Systems Design and Operation	25.0% (1)	75.0% (3)	0	0	4	1.75
464 - Hands-On Robotics	0	0	100.0% (1)	0	1	3.00
467 - Autonomous Robotics	0	0	25.0% (2)	75.0% (6)	8	3.75
470 - Computer Architecture	0	0	5.3% (1)	94.8% (18)	19	3.95
473 - Advanced Embedded Systems	0	0	44.4% (4)	55.6% (5)	9	3.56
475 - Introduction to Cryptography	20.8% (5)	66.7% (16)	8.3% (2)	4.2% (1)	24	1.96
477 - Introduction to Algorithms	0	83.3% (5)	16.7% (1)	0	6	2.17
478 - Logic Circuit Synthesis and Optimization	11.1% (1)	77.8% (7)	11.1% (1)	0	9	2.00
480 - Social Computing Systems	20.0% (1)	80.0% (4)	0	0	5	1.80
481 - Software Engineering	21.0% (10)	68.8% (33)	8.3% (4)	2.1% (1)	48	1.92
482 - Introduction to Operating Systems	0.6% (1)	0	17.0% (27)	82.4% (131)	159	3.81
483 - Compiler Construction	8.7% (2)	34.8% (8)	52.2% (12)	4.4% (1)	23	2.52
484 - Database Management Systems	0	68.4% (52)	30.3% (23)	1.3% (1)	76	2.33
485 - Web Database and Information Systems	5.1% (9)	51.4% (90)	40.6% (71)	2.9% (5)	175	2.41
486 - Informational Retrieval and Web Search	60.6% (20)	36.4% (12)	3.0% (1)	0	33	1.42
487 - Interactive Computer Graphics	0	0	0	0	0	0.00
489 - Computer Networks	14.3% (1)	42.9% (3)	42.9% (3)	0	7	2.29
490 - Programming Languages	10.0% (1)	60.0% (6)	30.0% (3)	0	10	2.20
491 - Introduction to Distributed Systems	0	23.1% (3)	61.5% (8)	15.4% (2)	13	2.92
492 - Introduction to Artificial Intelligence	32.1% (18)	58.9% (33)	7.1% (4)	1.8% (1)	56	1.79
493 - User Interface Development	75.0% (21)	25.0% (7)	0	0	28	1.25
494 - Computer Game Design and Development	0	12.5% (3)	8.3% (2)	79.2% (19)	24	3.67
496 - Major Design Experience Professionalism	91.9% (57)	4.8% (3)	0	3.2% (2)	62	1.15
497 - EECS Major Design Projects	69.6% (16)	26.1% (6)	4.4% (1)	0	23	1.35

