

Engineering Tripos, Part IIA 2024

No.	Title	Students*	Mean %	St. Dev
3A1	Fluid mechanics I	100	63.93	11.45
3A3	Fluid mechanics II	89	67.36	11.16
3A5	Thermodynamics and power generation	82	62.38	12.32
3A6	Heat and mass transfer	27	63.21	11.31
3B1	Radio frequency electronics	73	67.19	14.50
3B2	Integrated digital electronics	80	64.10	13.09
3B3	Switch-mode electronics	39	65.64	15.79
3B4	Electric drive systems	64	61.28	12.11
3B5	Semiconductor engineering	61	65.22	14.82
3B6	Photonic technology	50	65.57	11.36
3C1	Materials processing and design	52	58.97	11.89
3C5	Dynamics	111	65.53	14.50
3C6	Vibration	81	63.74	10.80
3C7	Mechanics of solids	39	67.95	15.62
3C8	Machine design	39	62.56	12.95
3C9	Fracture mechanics of materials and structures	24	63.75	9.08
3D1	Geotechnical engineering I	22	66.74	9.68
3D2	Geotechnical engineering II	21	62.62	15.00
3D3	Structural materials and design	23	58.91	12.22
3D4	Structural analysis and stability	27	60.56	10.70
3D5	Water engineering	38	67.37	10.58
3D7	Finite element methods	25	63.27	14.01
3D8	Geo-Environmental engineering	18	60.83	11.26
3E1	Business economics	102	67.09	10.18
3E2	Marketing	26	62.37	4.32
3E3	Modelling risk	73	63.97	12.88
3E6	Organisational behaviour	80	64.69	8.98
3E10	Operations management for engineers	27	60.43	9.76
3E11	Environmental sustainability and business	61	64.78	14.46
3F1	Signals and systems	156	66.99	12.59
3F2	Systems and control	103	64.35	15.61
3F3	Statistical signal processing	117	70.23	16.02
3F4	Data transmission	85	66.49	12.02
3F7	Information theory and coding	120	69.50	11.01
3F8	Inference	120	67.79	12.79
3G1	Molecular bioengineering I	28	61.49	13.09
3G2	Mathematical physiology	24	59.65	20.29
3G3	Introduction to neuroscience	42	63.29	10.30
3G4	Medical imaging and 3-D computer graphics	47	64.86	15.81
3G5	Biomaterials	20	67.00	8.49
3M1	Mathematical methods	115	65.48	12.80
4C4	Design methods	18	61.76	12.79
4D16	Construction management	11	56.82	12.10
4M12	Partial differential equations and variational methods	21	61.83	11.83
4M16	Nuclear power engineering	65	59.41	14.77

* Excludes candidates registered for module who did not sit the exam

Engineering Tripos, Part IIB 2024

Module		Candidates	Mean %	StDev
4A2	Computational fluid dynamics	32	66.93	10.73
4A3	Turbomachinery I	34	64.46	15.56
4A4	Aircraft stability and control	34	64.36	12.12
4A7	Aircraft aerodynamics and design	39	62.65	9.17
4A9	Molecular thermodynamics	15	68.44	15.03
4A10	Flow instability	26	66.54	16.53
4A12	Turbulence and vortex dynamics	17	65.88	13.39
4A13	Combustion and engines	19	67.89	4.87
4A15	Acoustics	23	61.52	17.72
4B2	Power microelectronics	28	67.86	9.46
4B5	Quantum and nano-technologies	33	63.54	13.81
4B11	Photonic systems	23	63.7	9.04
4B13	Electronic sensors and instrumentation	35	63.1	11.9
4B19	Renewable electrical power	33	70.25	10.13
4B23	Optical fibre communication	9	66.67	13.94
4B24	Radio frequency systems	22	59.47	14.86
4B25	Embedded systems for the Internet of Thi	25	66.6	10.17
4B27	Internet of everything	14	64.88	10.53
4C2	Designing with composites	31	61.29	10.69
4C3	Advanced functional materials and device:	21	64.13	11.26
4C4	Design methods	27	60.93	9.44
4C5	Design case studies	14	59.4	11.72
4C6	Advanced linear vibrations	23	65.51	11.68
4C7	Random and non-linear vibrations	14	70.48	10.2
4C8	Vehicle dynamics	19	66.14	12.3
4C9	Continuum mechanics	12	67.5	11.77
4C11	Data-driven and learning based methods i	11	67.58	4.96
4D2	Advanced structural design	15	58	16.2
4D4	Construction engineering	15	57.89	12.4
4D5	Deep foundations and underground const	13	65.64	12.33
4D6	Dynamics in civil engineering	13	69.74	8.55
4D7	Concrete and prestressed concrete	15	59.89	6.41
4D9	Offshore geotechnical engineering	11	68.94	8.41
4D10	Structural steelwork	14	60.6	12.26
4D13	Architectural engineering	17	64.41	7.48
4D16	Construction management	11	59.39	9.2
4E1	Innovation and Strategic Management of I	23	61.67	7.83
4E3	Business innovation in a digital age	47	65.71	8.27
4E5	International business	15	65.89	8.04
4E6	Accounting and finance	64	66.16	7.74
4E11	Strategic management	65	62.63	6.45
4E12	Project management	101	64.38	7.54
4F1	Control system design	26	65.9	14.03
4F2	Robust and non-linear control	9	57.96	21.39
4F3	An optimisation-based approach to contr	17	71.57	13.08
4F5	Advanced information theory and coding	26	70.83	12.97
4F8	Image processing and image coding	49	65.78	13.86
4F10	Deep learning and structured data	87	65.8	15.06

4F12	Computer vision	107	64.07	13.24
4F13	Probabilistic machine learning	92	66.12	8.47
4F14	Computer systems	50	71.4	14.07
4G1	Mathematical biology of the cell	2	68.33	7.07
4G3	Computational neuroscience	33	69.95	11.59
4G5	Materials and molecules - modelling, simu	16	73.75	12.27
4G6	Cellular and molecular biomechanics	7	70.71	6.37
4G7	Control and computation in living systems	5	64	5.35
4G9	Biomedical engineering	20	64.25	8.19
4G10	Brain Machine Interfaces	15	69.44	11.8
4I1	Strategic valuation	5	67	3.98
4I8	Medical physics	7	67.62	15.21
4I10	Nuclear reactor engineering	25	59.07	15.96
4I11	Advanced fission and fusion systems	22	66.01	7.38
4I14	Biosensors and bioelectronics	38	64.25	7.9
4M1	French	18	65.74	5.95
4M3	Spanish	9	67.22	6.07
4M12	Partial differential equations and variator	24	65.42	16.54
4M16	Nuclear power engineering	13	64.74	12.94
4M17	Practical optimisation	49	68.61	11.82
4M19	Advanced building physics	16	61.98	6.7
4M21	Software engineering and design	60	62.06	8.93
4M22	Climate change mitigation	57	61.49	8.91
4M23	Electricity and environment	38	61.05	9.6
4M24	Computational statistics and machine lear	61	70.49	13.19
4M26	Algorithms and data structures	70	68.02	10.52