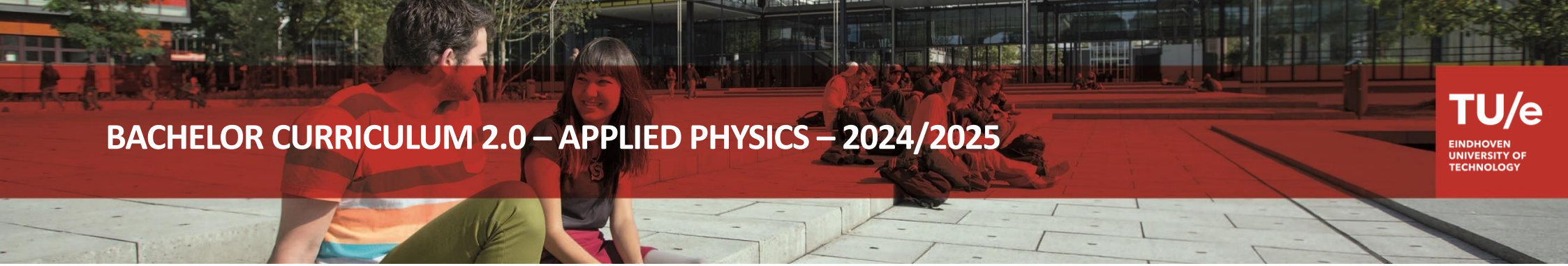

BACHELOR CURRICULUM 2.0 – APPLIED PHYSICS – 2024/2025

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

Core courses AP					
Code	**Course**	**EC**	**Year**	**Q**	**Timeslot**
31IAP	Introduction to Applied Physics	5	1	1	E
31ILS	Introduction to Laboratory Skills	5	1	1	A,B,D
2WCB0	Calculus variant 3	5	1	1	C
31MEC	Mechanics	5	1	2	D
31PAP	Programming for Applied Physics	5	1	2	A
31LAL	Linear Algebra	5	1	2	E
31EMA	Electromagnetism	5	1	3	B
31DAP	Data Acquisition and Processing	5	1	3	C,D,E
31MCA	Multivariable Calculus	5	1	3	A
31OPT	Optics	5	1	4	D
31DAE	Design and Automation in Experiments	5	1	4	B,C,E
0LVX10	ITEC Engineering Ethics	5	1	4	A
32VAN	Vector Analysis	5	2	1	C
32IQP	Introduction to Quantum Physics	5	2	1	D
32PTP	Physics of Transport Phenomena	5	2	2	E
32TDY	Thermodynamics	5	2	2	C
32AQP	Advanced Quantum Physics	5	2	3	D
4CBLB20	Control of a flexible robot system	5	2	3	C,E
32SPH	Statistical Physics	5	2	4	E
4CBLW00	Multidisciplinary CBL	5	2	4	C,D

Elective courses AP				
Code	**Course**	**EC**	**Q**	**Timeslot**
34IQT	Introduction to Quantum Technologies	5	1	A
34MLS	Machine Learning for Science	5	3	B
34IAS	Introduction to Astrophysics	5	2	A
34FEH	Fundamentals of Energy Harvesting and Storage	5	4	B
34PMS	Physical Modelling and Simulations	5	1	E
34NPC	Nanomaterials: Physics and Characterization	5	2	B
34QOQ	Quantum Optics and Quantum Information	5	2	B
34TCM	Theoretical Classical Mechanics	5	3	A
34TWI	Turbulence, Waves and Instabilities	5	3	A
34SPH	Subatomic Physics	5	4	A
34MSB	Modeling and Simulation Molecular Scale	5	3	C