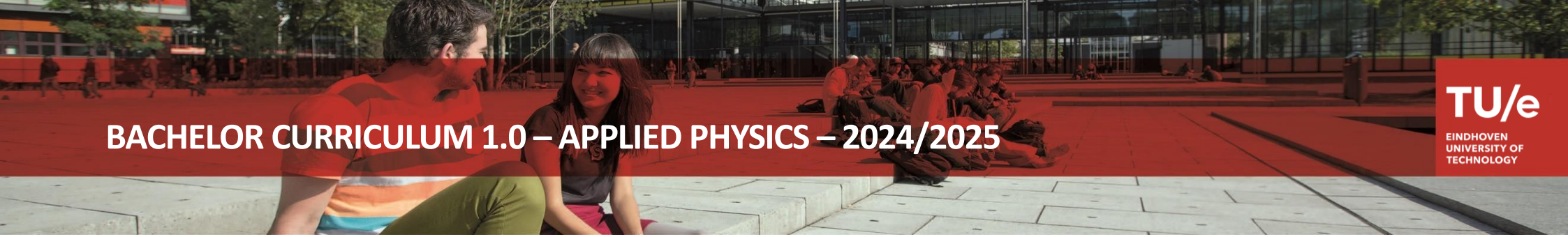

BACHELOR CURRICULUM 1.0 – APPLIED PHYSICS – 2024/2025

Major courses AP					
Code	**Course**	**EC**	**Year**	**Q**	**Timeslot**
3CQX0	Applied quantum physics	5	3	1	B, C
3CTX0	Physics of transport phenomena	5	3	1	D
3CGX0	Condensed matter	5	3	2	C
3CFX0	Physics in perspective	5	3	2	D

Electives AP					
Code	**Course**	**EC**	**Category**	**Q**	**Timeslot**
3FFX0	Statistical physics	5	3 Advanced	1	A
3EEX0	Electrodynamics	5	3 Advanced	3	E
3ERX0	General theory of relativity	5	3 Advanced	4	A
34IQT	Introduction to Quantum Technologies	5	3 Advanced	1	A
34MLS	Machine Learning for Science	5	2 Deepening	3	B
34IAS	Introduction to Astrophysics	5	3 Advanced	2	A
34FEH	Fundamentals of Energy Harvesting and Storage	5	3 Advanced	4	B
34PMS	Physical Modelling and Simulations	5	3 Advanced	1	E
34NPC	Nanomaterials: Physics and Characterization	5	2 Deepening	2	B
34QOQ	Quantum Optics and Quantum Information	5	3 Advanced	2	B
34TCM	Theoretical Classical Mechanics	5	3 Advanced	3	A
34TWI	Turbulence, Waves and Instabilities	5	3 Advanced	3	A
34SPH	Subatomic Physics	5	3 Advanced	4	A
34MSB	Modeling and Simulation Molecular Scale	5	3 Advanced	3	C

BEP AP					
Code	**Course**	**EC**	**Year**	**Q**	**Timeslot**
3CBX0	Bachelor final project Applied Physics	10	3	X	X
3CEX0	Bachelor final project Applied Physics	15	3	X	X

Coherent packages AP *
Advanced Classical Physics
Biological Physics
Computational techniques for physicists
Energy
Modern Physics
Nanoscience and Technology

USE learning line AP *
Physics of social systems

**One or more courses will be discontinued in these packages, please check the transitional arrangements to replace these courses.*