

BACHELOR PROGRAM APPLIED PHYSICS

YEAR 1	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
COURSE 1	2WCBØ Calculus	3NBBØ Applied physical sciences	2IABØ Data engineering	ØSABØ Ethics and History of Technology
COURSE 2	3A1XØ Experimental physics 1	3A2XØ Experimental physics 2	2DBNØØ Linear algebra	3AEXØ Electromagnetism
COURSE 3	3AKXØ Variables, dimensions, and dynamics	Elective	3AMXØ Mechanics	Elective



basic courses



mathematics courses



physics courses



experimental courses/internship



electives/USE (User, Society, Enterprise)



major Applied physics: 95 ECTS
(incl. professional skills)



course code: see OASE
Ø is number zero / O is letter

each course covers 5 ECTS

BACHELOR PROGRAM APPLIED PHYSICS

YEAR 2	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
COURSE 1	4WBBØ Engineering design	3BOXØ Optics	3BQXØ Introduction quantum physics	3BTXØ Thermal physics
COURSE 2	2DBN1Ø Advanced calculus	3BMXØ Elements of mathematical physics	3BYXØ DOE signals and systems	3B3XØ Experimental physics 3
COURSE 3	Elective/USE	Elective/USE	Elective/USE	Elective/USE



basic courses



mathematics courses



physics courses



experimental courses/internship



electives/USE (User, Society, Enterprise)



major Applied Physics: 95 ECTS
(incl. professional skills)

each courses covers 5 ECTS

<div> <div>YEAR 3</div> <div>BACHELOR PROGRAM APPLIED PHYSICS</div> <div>TU/e</div> </div>				
	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
COURSE 1	<div>3CTXØ</div> <div>Physics of transport phenomena</div>	<div>3CGXØ</div> <div>Condensed matter</div>	Elective/USE	Elective/USE
COURSE 2	<div>3CQXØ</div> <div>Applied quantum physics</div>	<div>3CFXØ</div> <div>Physics in perspective</div>	Elective/USE	<div>3CBXØ</div> <div>Final bachelor project</div>
COURSE 3	Elective/USE	Elective/USE	Elective/USE	<div>3CBXØ</div> <div>Final bachelor project</div>
<div> <div>basic courses</div> <div>mathematics courses</div> <div>physics courses</div> <div>experimental courses/internship</div> <div>electives/USE (User, Society, Enterprise)</div> <div>major Applied Physics: 95 ECTS (incl. professional skills)</div> <div>half of the Final bachelor project can be exchanged with an elective in quarter 3</div> <div>each course covers 5 ECTS</div> </div>				