

YEAR

1

BACHELOR PROGRAM

APPLIED PHYSICS

COHORT 2015

TU/e

QUARTER

1

QUARTER

2

QUARTER

3

QUARTER

4

COURSE 1	<div>2WCBØ</div> <div>Calculus</div>	<div>3NBBØ</div> <div>Applied physical sciences</div>	<div>ØLEBØ</div> <div>Introduction to modeling</div>	<div>ØSABØ</div> <div>Ethics and History of Technology</div>
COURSE 2	<div>3A1XØ</div> <div>Experimental physics 1</div>	<div>3A2XØ</div> <div>Experimental physics 2</div>	<div>2DBNØØ</div> <div>Linear algebra</div>	<div>3AEXØ</div> <div>Electromagnetism</div>
COURSE 3	<div>3AKXØ</div> <div>Variables, dimensions, and dynamics</div>	<div>Elective</div>	<div>3AMXØ</div> <div>Mechanics</div>	<div>Elective</div>



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

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

basic courses

mathematics courses

physics courses

experimental courses/internship

electives/USE (User, Society, Enterprise)

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

each courses covers 5 ECTS

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>

basic courses

mathematics courses

physics courses

experimental courses/internship

electives/USE (User, Society, Enterprise)

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

Final bachelor project

half of the Final bachelor project can be exchanged with an elective in quarter 3

each course covers 5 ECTS