

BACHELOR PROGRAM APPLIED PHYSICS

YEAR 1	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
COURSE 1	2WCBØ Calculus	3NBBØ Applied natural sciences	2IABØ Data analytics for engineers	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)

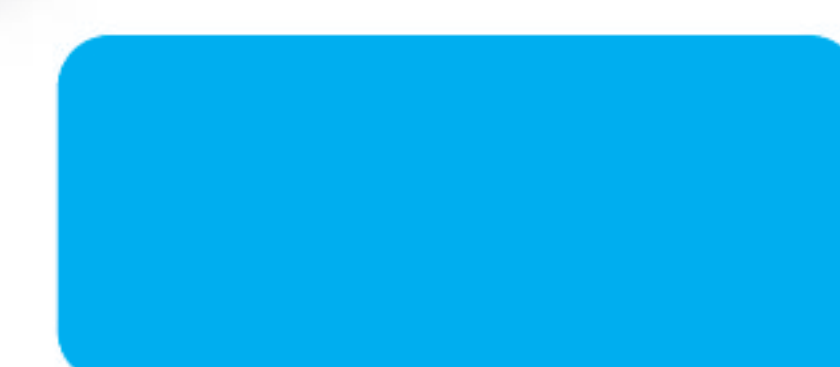


course code: see OSIRIS
Ø is number zero / O is letter

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 DBL 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 course covers 5 ECTS

YEAR 3	BACHELOR PROGRAM APPLIED PHYSICS			
	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
	COURSE 1	<div>3CTXØ</div> Physics of transport phenomena	<div>3CGXØ</div> Condensed matter	Elective/USE
	COURSE 2	<div>3CQXØ</div> Applied quantum physics	<div>3CFXØ</div> Physics in perspective	<div>3CBXØ</div> Final bachelor project
	COURSE 3	Elective/USE	Elective/USE	<div>3CBXØ</div> Final bachelor project

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