



Diploma Supplement

University of Stavanger



Universitetet
i Stavanger

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualification (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1 INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.1 Family name(s): Helvig
1.2 Given name(s): Richard André
1.3 Date of birth (day/month/year): 04-10-1993
1.4 Student identification number or code: 220948

2 INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 Name of qualification and (if applicable) title conferred (in original language):
Bachelor i ingeniørfag
The title bachelor is protected by law in Norway.
- 2.2 Main field(s) of study for the qualification:
- General subjects (Mathematics and Statistics, Physics, Chemistry and Environment, Computer Science), 50-60 points/ECTS credits
- Social subjects, 15-20 points/ECTS credits
- Optional subjects, 10-20 points/ECTS credits
- Research project, 15-20 points/ECTS credits
- Technical subjects, 75-90 points/ECTS credits
- 2.3 Name and status of awarding institution (in original language)
Universitetet i Stavanger, a public university. The quality assurance system was evaluated and approved by the Norwegian Agency for Quality Assurance in Education in 2009.
- 2.4 Name and status of institution administering studies
See section 2.3
- 2.5 Language(s) of instruction/examination
Norwegian

3 INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1 Level of qualification
First Cycle/Level 6, Norwegian Qualifications Framework for Lifelong Learning

- 3.2 Official length of the programme
3 years in full-time mode (180 ECTS credits).
The workload is based on an expected 45 hours of work per week for 20 weeks per semester (40 weeks per year), or 30 hours of work per ECTS credit, including lectures, exercises, project work, laboratory work, homework, self study and examinations. The corresponds to 1800 hours of work per year.
- 3.3 Access requirements
Higer Education Entrance Qualification plus advanced Physics (2FY) and advanced Mathematics (3 MX) or equivalentents.

4 INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1 Mode of study
Full-time study.
- 4.2 Programme requirements
The education is a comprehensive three-year professional training combining technical and theoretical knowledge with practical skills. Three year higher engineering education is based on a framework plan approved in a letter of 22.Nov.1996 from the Royal Ministry of Education, research and Church Affairs.

General subjects are compulsory for all students. Within each of the five fields the students can specialise in one of several streams. Subjects specific to the field study and most of the social-economics must be completed before the third year. Subjects spesific to the stream are taught in the second and third year of study. Elective subjects will primarily be offered in the third year of study. The research project will be done in the last year of study.

4.3 Programme details:
Name: Richard André Helvig

Course	Semester	Credits	Grade	Grade distribution					
				A	B	C	D	E	
FYS100	Physics	2012 autumn	10	A	■	■	■	■	■
MAT100	Mathematical methods 1	2012 autumn	10	B	■	■	■	■	■
MAT200	Mathematical Methods 2	2013 spring	10	A	■	■	■	■	■
STA100	Introduction to probability and statistics 1	2013 spring	10	B	■	■	■	■	■
FYS200	Thermo- and fluid dynamics	2013 autumn	10	B	■	■	■	■	■
ING130	Introductory course for engineers - Petroleum	2013 autumn	10	A	■	■	■	■	■
KJE100	Environmental Chemistry and HES	2013 autumn	10	A	■	■	■	■	■
PET100	Drilling	2013 autumn	10	A	■	■	■	■	■
BYG140	Structural mechanics 1	2014 spring	10	A	■	■	■	■	■
GEO100	Geology	2014 spring	10	B	■	■	■	■	■
PET120	Reservoir technology	2014 spring	10	C	■	■	■	■	■
MSK200	Materials Technology	2014 autumn	10	D	■	■	■	■	■
PET200	Introduction to Oil and Gas Production	2014 autumn	10	C	■	■	■	■	■
PET210	Drilling Fluid Technology	2014 autumn	10	B	■	■	■	■	■
ING200	Technology management	2015 spring	10	C	■	■	■	■	■
PET110	Geophysics and Well Logging	2015 spring	10	E	■	■	■	■	■
PETBAC	Bachelor assignment <i>Editing and completion of compendium in Drilling and Wellfluids</i>	2015 spring	20	C	■	■	■	■	■

Total: 180.0

Credit system and grading

The academic year normally runs from mid-August to mid-June and lasts for 10 months. Courses are measured in "studiepoeng", considered equivalent to the European Credit Transfer System standard (ECTS credits). The full-time workload for one academic year is 1500 - 1800 hours of study / 60 "studiepoeng".

The Norwegian grading system consists of two grading scales: one scale with the grades pass or fail and one graded scale from A to E for pass and F for fail. The graded scale has the following qualitative descriptions:

A	Excellent	An excellent performance, clearly outstanding. The candidate demonstrates excellent judgement and a very high degree of independent thinking.
B	Very good	A very good performance. The candidate demonstrates sound judgement and a high degree of independent thinking.
C	Good	A good performance in most areas. The candidate demonstrates a reasonable degree of judgement and independent thinking in the most important areas.
D	Satisfactory	A satisfactory performance, but with significant shortcomings. The candidate demonstrates a limited degree of judgement and independent thinking.
E	Sufficient	A performance that meets the minimum criteria, but no more. The candidate demonstrates a very limited degree of judgement and independent thinking.
F	Fail	A performance that does not meet the minimum academic criteria. The candidate demonstrates an absence of both judgement and independent thinking.

The assessment is criterion referenced.

Grade distribution

The distribution of grades is shown by the percentage for courses using the graded scale A – F. Fail (F) is not included in the distribution. All results from the last five years are included in the calculation. The distribution is also shown for courses that have been active for less than five years. There has to be at least 10 approved results during the period.

4.4 Grading scheme and, if available, grade distribution guidance:
See section 4.3
As described in section 8.

4.5 Overall classification of the qualification (in original language):
Not applicable

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:
The qualification is a minimum requirement for further studies at master's degree level.

5.2 Professional status:
The qualification is a final award and entitles its holder to exercise professional work within his/her field of study.

6 ADDITIONAL INFORMATION

6.1 Additional information:
Engineering education in Norway is offered in five main fields of studies. They are:

- Civil engineering (x streams)
- Computer engineering (y streams)
- Electrical and electronic engineering (z streams)
- Chemical engineering (x streams)
- Mechanical engineering (y streams)

6.2 Further information sources:
University of Stavanger, <http://www.uis.no>
Norwegian Agency For Quality Assurance, <http://www.nokut.no/en>

7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date: 15 September 2015
Date of original qualification: 10 September 2015

7.2 Signature: _____
Øystein Lund Bø
dean

7.3 Capacity:

7.4 Official stamp

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Higher education in Norway

The Ministry of Education and Research has the overall responsibility for higher education in Norway. Higher education is offered by four types of higher education institutions: university (*universitet*), specialized university institution (*vitenskapelig høyskole*), accredited university college (*akkreditert høyskole*), and university college with accredited study programmes (*høyskole med akkrediterte studier*). The differences between the types of higher education institutions are related to their self-accrediting authority.

All public and private higher education in Norway is subject to the Act Relating to Universities and University Colleges (Lov 2005-04-01 nr 15)¹. An institution's right to award specific degrees and the prescribed lengths of study are codified in Regulations on Degrees and Titles protected by Law (FOR 2005-12-16 nr 1574). The awarding of master's degrees is regulated by the Regulations on requirements for awarding a master's degree (FOR 2005-12-01 nr 1392).

Since 2002 Norway has adhered to the objectives of the Bologna Process in the European Higher Education Area. Most of the elements have been implemented through the reform of the Norwegian higher education system carried out in 2003. Central to the reform has been a transition from the former degree system to the bachelor's, master's and doctoral degree structure, with a few exceptions.

Norwegian higher education qualifications make up the levels from 6 to 8 of the Norwegian Qualifications Framework for Lifelong Learning (NQF) from 2011, which is the national overarching qualifications framework². It describes the levels of qualifications as defined by the total learning outcomes in terms of the knowledge, skills and general competence that graduates at various levels should have achieved³. NQF was referenced to the European Qualifications Framework (EQF) in 2014.

Accreditation of institutions and programmes

The Norwegian Agency for Quality Assurance in Education (NOKUT) is an autonomous governmental agency which provides external supervision and control of the quality of Norwegian higher education, as well as of all tertiary vocational education⁴. NOKUT accredits new study programmes, controls the existing ones, and provides a cyclic evaluation of the institutions' quality assurance systems for educational provision.

An accredited higher education institution is granted the right to offer educational provision, without having to apply to NOKUT for specific programme accreditation, in accordance with the authority that its institutional category implies. Universities may without external accreditation establish study programmes at all levels. Accredited university colleges have to apply for the accreditation of programmes at master and doctoral levels. In those fields where specialized university institutions and accredited university colleges have the right to award doctorates or corresponding degrees, they may themselves decide which study programmes and disciplines the institution shall provide. University colleges without institutional accreditation must apply to NOKUT for accreditation of study programmes at all levels.

Lists of all accredited institutions (*akkrediterte institusjoner*), as well as of all accredited study programmes at the university colleges without institutional accreditation (*akkrediterte studietilbud*) are available on www.nokut.no

¹ In brackets are written the official codes of each act, published in Norwegian in the online database Lovdata, www.lovdata.no

² National generic learning outcomes descriptions' levels for the bachelor's, master's and doctoral degrees were defined by the Instructions on the Norwegian Qualifications Framework for Higher Education in 2009.

³ Learning outcomes for a specific NQF level show the minimum of what each learner should know, understand and be able to do after completing a learning process.

⁴ Tertiary vocational education (TVE), level 5 in the NQF, is provided by *fagskoler*, which are considered as tertiary vocational education institutions. TVE is based on upper secondary education and training or equivalent competence. Courses have duration of from 6 months to 2 years. All provisions must be accredited by NOKUT.

Admission requirements and progression

The Higher Education Entrance Qualification (*generell studiekompetanse*) is the successful completion of Norwegian upper secondary education with some specified courses. The Certificate of Upper Secondary Education and Training (*Vitnemål for videregående opplæring*) is based on 13 years of schooling. Admission may also be gained by means of other qualifications recognized as being on a par with the Higher Education Entrance Qualification, such as recognition of prior learning and work experience (*realkompetanse*). Some fields of study have additional entrance requirements.

Progression between cycles: The general eligibility requirement for the second cycle is the completion of a first cycle degree, including any additional requirements. To be eligible for admission to doctoral training, the candidate must have completed a second cycle degree. In addition, there may be specific admission requirements in accordance with regulations at institutional or faculty level.

Degrees and qualifications

All Norwegian higher education institutions use a system of credits (*studiepoeng*) for measuring study activities, considered equivalent to the European Credit Transfer and Accumulation System (ECTS). 60 ECTS credits (*studiepoeng*) are allocated to the workload of a full year of academic study, equivalent to 1500-1800 hours of study. 30 ECTS credits are normally allocated to one semester's full-time study. The academic year normally lasts for 10 months and runs from August to June.

NQF Level 6: Bachelor (1st cycle)

The bachelor's degree is awarded after three years of full-time study (180 ECTS). Some bachelor's degrees, in the field of music and performing arts, consist of four-year bachelor's programmes (240 ECTS). Teacher education for primary and lower secondary school, years 1-7 and years 5-10 is a four-year professional programme (240 ECTS).

University college graduate (*høyskolekandidat*) is a two-year degree (120 ECTS), a short cycle degree within the first cycle. Holders of this degree may in some cases continue their studies in a bachelor programme and thus obtain a bachelor's degree.

NQF Level 7: Master (2nd cycle)

The master's degree is normally obtained after two years of study (120 ECTS), following the completion of a bachelor's degree. A master's degree programme includes independent work (normally a thesis) of between 30 and 60 ECTS. Some experience-based master's degrees have a scope of 90 or 120 ECTS (including independent work of at least 20 ECTS).

One-tier (integrated/long-term) master's degree is a five-year study programme (300 ECTS) which results in a master's degree, with no intermediate bachelor's degree. An exception is the Master of Architecture programme at the Oslo School of Architecture and Design, which has a scope of 330 ECTS.

In the fields of medicine, psychology and theology, professionally oriented degrees/qualifications of six years' duration (360 ECTS) are awarded; in the field of veterinary science - after 5 ½-6 years. They have retained the title *candidata/candidatus* from the former degree system.

NQF Level 8: Doctoral degree/PhD (3rd cycle)

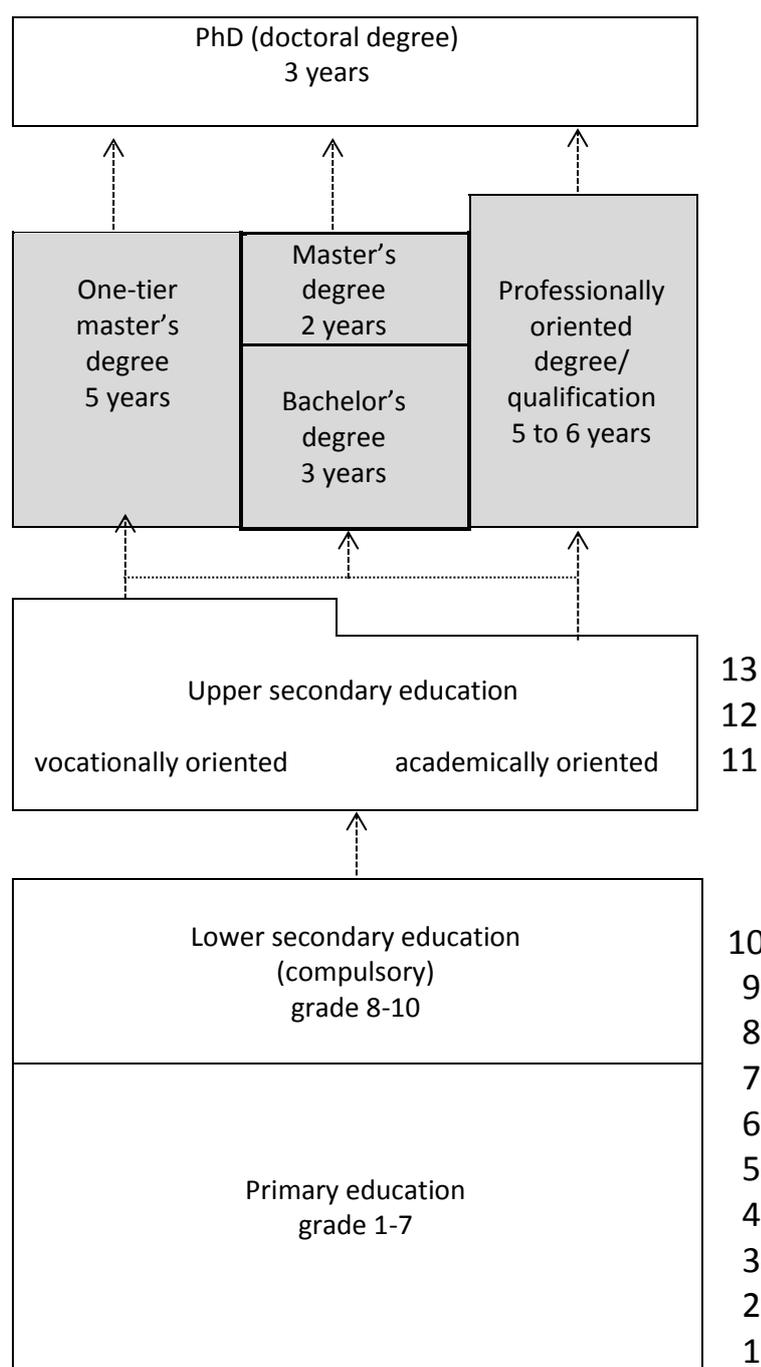
Doctoral degree, PhD (*philosophiae doctor, ph.d.*), is awarded after three years of study, following the completion of a master's degree or a five to six-year professionally oriented degree/qualification.

Doctor philosophiae (*dr. philos.*) is conferred on graduates who have qualified for a doctoral degree on their own, without formal research training.

Diploma, artistic research fellowships programme (*kunstnerisk utviklingsprogram*) is a three-year programme in the field of creative and performing arts. It is offered as a parallel to other research-oriented provisions organized as academic PhD programmes.

Descriptions of the educational qualifications can be found in the Norwegian Qualifications Framework for Lifelong Learning at www.nokut.no. Please consult Section 4 of Diploma Supplement for information about the learning outcomes of any specific degree.

General structure of the Norwegian educational system



Higher education degrees and qualifications not included in the chart*:

- Master's degree in Architecture from Oslo School of Architecture and Design: 5 ½ years
- Experienced-based master's degree: 1 ½ or 2 years
- Bachelor's degree of 4 years' duration (music)
- Primary and lower secondary teacher education programmes for years 1-7 and years 5-10: 4 years
- University college graduate degree: 2 years

* In addition, Norway has a system of **tertiary vocational education (*fagskole*)**, which is not considered higher education. It is based on upper secondary education and training or equivalent competence. Course duration is from six months to 2 years. Holders of some 1 and 2 year *fagskole*-qualifications can after individual assessment continue their studies in some bachelor programs, for example in the fields of engineering and marketing.