Professionalization Area
Practical & Professional Competences

Professional Internship
Field Competences
Digital Competences
Interdisciplinary Competences

Bremen 25.05.2022
### Practical Professional Competences in Geosciences

<table>
<thead>
<tr>
<th>Geoscientific Field Competence</th>
<th>Digital Competences</th>
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<tr>
<td>12 Days in the Field (2 one-week Field Exercises in Central Europe)</td>
<td>3 three-day Computer courses in Programming (Excel, Matlab, Python, QGIS) + 3 one-day Blockcourses in Drawing Programs (Corel, GMT, Grapher/Surfer)</td>
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- **German/English**
- **German/English**
- **6 SWS**
- **BC 6**

### Professional Competences

<table>
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<tr>
<th>Interdisciplinary Skills</th>
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<td>Four-Week Professional Internship</td>
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<td>P 6</td>
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- **6 SWS**
- **6 SWS**

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**mandatory modules, partly with elective options**  
**semester assignment (4th & 5th FS) not fixed**  
**partially semester overlapping courses**  
**partly individual scheduling**
Professional Competences

Internship
(4 weeks minimum)

Vocational Field orientation
(Marine) Geosciences: Profession or more Vocation?
Geowissenschaftler:innen…

nehmen Proben
bearbeiten Proben
arbeiten im Labor
nehmen Bohrkerne auf, beurteilen das Material
planen und betreuen Bohrungen
suchen und fördern Rohstoffe
Marine Geoscientists...

- scan the underground
- investigate marine resources
- work in the laboratory
- explore the sea
- work with data sets, and visualize the sea floor
- prepare laying of sea cables

...work in the laboratory
BSc (Marine) Geosciences – vocational fields

The program prepares students for a wide range of professional practice:

- energy, water and soil management, geotechnics
- investigations for constructing offshore-buildings, dykes, harbours and for environmental and climate protection projects
- exploration and exploitation of groundwater, oil, gas, ore and mineral building materials
- analysis and remediation of contaminated sites
- prediction of geohazards (tsunamis, landslides etc.)
- a wide range of administrative, media and public relations tasks
Job Market Marine Geosciences

- research institutes and universities
- companies in the energy, raw materials and construction industries
- UNESCO, UNO and others
- scientific publishers
- insurance companies (re-insurance)
- engineering offices and consulting offices
- Geo laboratories
- authorities and state offices
- self-employed (free lancers, consulting geoscientists, experts)
Looking to the end of your studies

- What will you do later?
- How will you earn your money?
- Which area really suits you?

Geoscientists are the "all-rounders" among the natural scientists

- They recognize interrelations
- They judge holistically
- They think 4-dimensionally
- They competently make complex decisions
- They quickly familiarize themselves with unfamiliar issues

Take the chance

Vocational internship

https://www.berufsreport.com/geowissenschaftler-die-zukunftsgaranten/
Vocational Internship

What are my interests
Majors, hobbies, professional field, experience abroad

General conditions
financial situation, mobility, family - flexibility

How to find the right address
using contacts/network, internet research, databases, professional/interest associations

What do I have to consider
• before: agree with the internship advisor at the FB
• internship contract (also a copy to the internship advisor)
• afterwards: internship certificate and report to the internship advisor
• get the internship report signed by the internship advisor. He will submit the 'pass' to PABo.
• Guidelines and regulations, see homepage

www.geo.uni-bremen.de

Studies
Bachelor Marine Geosciences
Internship

mandatory module BSc Marine Geosciences
period of at least 4 weeks, extension option
not graded
achievement: internship certificate and report
Internship Abroad

Reasons for going abroad

enhance your professional qualification
deeper your language skills
benefit for your resume
develop your personality
gain intercultural impressions
... "an experience for your life"!

ccompany networks – get in contact
special scholarships + consulting organizations

!2 to 6-month break of your studies!
https://www.uni-bremen.de/en/studies/starting-your-studies/international-studies/internships-abroad
Internship Approach

• search for potential internship employers in good time
• send applications plenty in advance (1/2 year)
• do not start the intern before the end of the 3rd semester
• keep an eye on your study schedule

• plan stays abroad even earlier
• at least 1 year in advance
• pay attention to funding deadlines
• don’t miss the information events
...for many students the internship is the door opener to their further career steps