

<b>Module:</b> Vocational Field Orientation			
<b>University/Department/Institute:</b> Freie Universität Berlin/Department of Biology, Chemistry, Pharmacy/Institute of Chemistry and Biochemistry			
<b>Module supervisors:</b> Lecturers of the module			
<b>Entrance Requirements:</b> none			
<b>Goals of Qualification:</b> Students have gained an insight into selected career options for chemists and have acquired the skill sets and the relevant knowledge for their future profession and faculties for their transition into the job market. They are able to develop a strategy for their own career start and are able to deal with aspects of gender and diversity arising in the daily professional life.			
<b>Contents:</b> Introduction to structures, process and practical fields as well as analysis and discussion of requirement profiles and the development of careers in the different professional fields of chemistry. Students gain an in-depth knowledge through excursions or by acquiring an additional skill set. Experienced experts guide the learning processes and organize excursions to faculties not affiliated with the university. The topics include the following: <ul style="list-style-type: none"> <li>- Acquiring data sets, data analysis and evaluation with an excursion to the Physical - Technical federal institution</li> <li>- Aspects of gender- and diversity in the everyday work life if chemists, including a discussion organized by the students</li> <li>- Patent rights, including an excursion to the German Patent Office</li> <li>- Analytical quality control including an excursion to the federal institute of Materials Research and Testing</li> <li>- Medical chemistry including an excursion to Bayer</li> <li>- Safety technology including an excursion to the federal institute for risk assessment</li> <li>- Laser, Synchrotron, free electron – laser including excursion to the storage ring BESSY II</li> <li>- Toxicology including the acquirement of the official certificate</li> </ul>			
Teaching methods	Hours of attendance (Hours per week)	Forms of active participation	Workload (hours)
Seminar 1	2	Literature research, Solving assignments, Contributions to topic related discussions and attendance of excursions	Presence (S1) 30 Pre-, post-preparation (S1) 70 Presence (S2) 15 Pre-, post-preparation (S2) 35
Seminar 2	1	Literature research, Solving assignments, Contributions to topic related discussions and attendance of excursions	
<b>Language offer of lecture</b>		German	
<b>Compulsory regular attendance</b>		Yes	
<b>Workload (total)</b>		150 hours	5 CP
<b>Length of module</b>		One semester	
<b>Examination</b>		none	
<b>Lecture is offered</b>		Depended on availability	
<b>Applicability</b>		Bachelor study program Chemistry	