



- Internship MSc Sustainable Materials-Polymer Science binational

# Freiburg or Strasbourg



Semester		international M.Sc. Sustainable Materials				
September	1st, Strasbourg	3 ECTS language course	Lectures <b>27 ECTS</b> , 25% grade Examination Strasbourg in January			
October						
November						
December						
January	2nd, Freiburg	language course <b>2 ECTS</b> Intercultural module <b>4 ECTS</b> - (2 ECTS in the 1st and 2 ECTS in the 2nd Semester)	Macromolecular Lab Course <b>9 ECTS</b> 5% starts <b>Feb</b> Introduction Lab Lab Course <b>February-March</b> + 1-3 weeks for reports			
February			<b>Lectur start: 23rd April</b> <b>major module</b> in "Advanced Macromolecular Materials and Nanostructure Engineering", "Macromolecular Engineering and System Integration", "Biomaterials and Biosystems" or "Biobased and Bioinspired Materials" <b>20% - 15 ECTS</b>			
March						
April						
May						
June						
July			Industrial Polymer Sciences 9 ECTS (SL) - last week of July !!! (Methods for Applications of Polymers in Life Sciences)			
August	3rd, Strasbourg or Freiburg	Language Course <b>3 ECTS</b>	<b>Variante A</b> Advanced polymer in Strasbourg 10% <b>12 ECTS</b> Methods and concepts <b>6 ECTS</b>	<b>Variante B</b> advanced lab 10% <b>12 ECTS</b>	<b>Variante C</b> Advanced polymer in Strasbourg 5% - <b>9 ECTS</b> advanced practical 5% - <b>9 ECTS</b>	<b>Variante D</b> advanced lab 10% - <b>18 ECTS</b>
September						
October						
November						
December	4th, Strasbourg or Freiburg		Masterthesis <b>30 ECTS</b> 40%	Methods and concepts <b>6 ECTS</b>	Masterthesis <b>30 ECTS</b> 40%	Masterthesis <b>30 ECTS</b> 40%
January						
February			Masterthesis <b>30 ECTS</b> 40%	Masterthesis <b>30 ECTS</b> 40%	Masterthesis <b>30 ECTS</b> 40%	
March						
April						
May						
June						

- Credits
- 9 ECTS = 7 to 8 weeks ( 270 h) (+ 9 ECTS advanced lab)
  - 12 ECTS = 10 weeks (360 h) (+ 6 ECTS MuK)
  - 18 ECTS = 16 weeks (540 h)
- Conditions
  - Lab course
  - Major module

# Where to look



- In Freiburg university:
  - Institutes of the universities
    - Your MSc professors
    - Web pages
    - Lab director
    - Secretary
- In Strasbourg university:
  - See list published by the faculty

# External internship



- Company outside the universities
- Another university
- Outside France or Germany
- Individually organized
- Agreement from university professor
- Placement scholarship for EU-Countries



- In Strasbourg:
  - Subject: Consult Vincent Le Houérou
  - Internship contract: consult Ms Isabelle Huber ([isabelle.huber@unistra.fr](mailto:isabelle.huber@unistra.fr))
  
- In Freiburg:
  - Subject: agreement from Professor (see guidelines)
  - Project description, time frame, goal
  - Name contact person
  - Wait for agreement before starting

Per email



- In Strasbourg
  - a letter-like article of 6 pages maximum
  - Additionally further information in separate document
  - Presentation on “Science Day”
- In Freiburg
  - Written or oral (ask professor)

templates

# Confidentiality agreement



- In Freiburg: NO
- In Strasbourg: NO



# Grades



- Internship institution sends report to professor
- Professor gives grade
- Professor signs form for exam office

- Wish list: give to Strasbourg and Freiburg
- In Strasbourg: <http://www.physique-ingenierie.unistra.fr/spip.php?article167>
- In Freiburg:
  - Registration at examination office (Freiburg)
  - Confirmation after internship to examination office (Freiburg)
  - Grade + ECTS

# Wish list



- <http://www.physique-ingenierie.unistra.fr/im-polys/IMG/pdf/wishlists3-2.pdf>

Deadline: 1<sup>st</sup> august 2018      Please send this form to both      francine.ehles@unistra.fr  
&      v.lehouerou@unistra.fr

Lastname: \_\_\_\_\_      Firstname: \_\_\_\_\_

International Master of Polymer Science (Strasbourg / Freiburg)

Semester 3 – *Wishlist* \*



Industrial Polymer Science (~july-august)		Freiburg	<input checked="" type="checkbox"/> 9 ECTS			
choose 1 out of 2	Languages	Strasbourg	<input type="checkbox"/> 3 ECTS	<input type="checkbox"/> Français	<input type="checkbox"/> Deutsch	
	Languages	Freiburg	<input type="checkbox"/> 3 ECTS	<input type="checkbox"/> Français	<input type="checkbox"/> Deutsch	
Lectures						
<i>Physics oriented</i>						
<input type="checkbox"/> Rheology of complex fluids - R. Muller (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Numerical simulations - J. Baschnagel (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Physical and mechanical properties of polymer surfaces - V. Le Houérou (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Polymer processing (in french) - L. Averous (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Polymer based composites: structures and processes (in french) - L. Averous (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Statistical physics: from non-equilibrium phenomena to complex fluids - J. Baschnagel (6 ECTS) <sup>1</sup>						
<input type="checkbox"/> Order & disorder in soft and condensed matter - T. Charrier (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Dynamics of complex fluids - C. Marques (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Biophysics - M. Maoloum (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Structure of condensed matter: radiation scattering methods - J. Combet (3 ECTS) <sup>1</sup>						
<i>Chemistry oriented</i>						
<input type="checkbox"/> Macromolecular engineering - J.-P. Lutz (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Chemical structure of natural polymers - P. Meunier (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Polymer reaction engineering - C. Serra (3 ECTS) <sup>1</sup>						
<i>Physico-Chemistry oriented</i>						
<input type="checkbox"/> Thin polymer films - Y. Hoi (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Biopolymers (in french) - L. Averous (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Organic semi-conducting materials - T. Hetsch (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Physical chemistry of aqueous polymeric systems - A. Hébrard (3 ECTS) <sup>1</sup>						
<input type="checkbox"/> Colloids: interactions, organization and dynamics - P. Hébrard (3 ECTS) <sup>1</sup>						
choose 1 out of 2	Research Practical (Chemistry) or Research Traineeship (Physics)	Strasbourg	<input type="checkbox"/> 6 ECTS (1 day in lab)	<input type="checkbox"/> 9 ECTS (1½ day in lab)	<input type="checkbox"/> 12 ECTS (2 days in lab)	<input type="checkbox"/> 18 ECTS (3 days in lab)
	Research Practical (Chemistry) or Research Traineeship (Physics)	Freiburg	<input type="checkbox"/> 9 ECTS	<input type="checkbox"/> 12 ECTS	<input type="checkbox"/> 18 ECTS	
Methods & Concepts		Freiburg	<input type="checkbox"/> 6 ECTS			
TOTAL			30 ECTS			

\* corresponds to your curriculum wishes and may be subject to timetable compatibility.



- To be given to exam office
- 1st Form Registration before internship
- 2nd form Confirmation after internship
- To be found here: [https://www.cup.uni-freiburg.de/de/chemie/studium\\_chemie/formulare](https://www.cup.uni-freiburg.de/de/chemie/studium_chemie/formulare)
  - [Registration and Confirmation of the Advanced Lab Course \(for binational track\)](#)



- In Freiburg: [https://www.cup.uni-freiburg.de/de/chemie/studium\\_chemie/veranstaltungen/guidelines-labcourses](https://www.cup.uni-freiburg.de/de/chemie/studium_chemie/veranstaltungen/guidelines-labcourses)
- In Strasbourg: <http://www.physique-ingenierie.unistra.fr/spip.php?article537>