

Paper Technology

High-Tech and Creativity

The art of paper manufacturing is as old as our calendar. Even in the age of the Internet, paper is by far the most important information carrier, and it will remain so in the future. These are good prospects for those who commit themselves to the art of paper manufacturing.

New paper machines are bigger, more expensive and even more complex than jumbo jets; they produce paper with a speed at 100 km/h, with a paper width of up to 10 meters and a thickness of only 0.1 mm. Such a machine produces more paper in one minute than you would need to cover two football grounds. The paper industry is making an increasingly greater use of recycled paper as raw material. World-wide, Germany is leading with a recycling rate of over 60 %, and provides the paper industry all over the world with the technology required to produce high-quality newsprint paper from 100 % recycled fibres.

Students will acquire up-to-date knowledge in all relevant areas of paper making and gain deep insight into all major subjects of paper and board production. In addition they may choose between a number of optional subjects according to their personal preferences. Laboratories are well equipped with the latest technology and teaching will take part in small groups. Students will have the chance to produce their own paper on the university paper machine and run coating experiments at up to 2000 m/min. Lab work, research project and master thesis offer unlimited space for creativity.

Study Programme

1.5 year study for students with a background in paper science (or 6 semesters part-time, incl. Master Thesis)
1, 2 and 3 semester contents:

- Thermodynamics and Chemical Engineering
- Paper Chemistry
- Minerals and Printing Technology
- Board and Paper Technology
- Coating and Automation
- Statistics and Design of Experiments
- Project Management and Intercultural Communication
- General Management
- General and Technical Electives
- Master Thesis

2 years study for students without a background in paper science (or 8 semesters part-time, incl. Master Thesis)
1, 2, 3 and 4 semester contents:

- Introduction to Paper Technology
- Pulp Technology
- Stock Preparation
- Paper Testing
- Board and Paper Technology
- Paper Chemistry and Minerals
- Coating and Automation
- Thermodynamics and Chemical Engineering
- Printing Technology
- General Management
- General and Technical Electives
- Project and Master Thesis

Electives (contents may change)

- Clothing
- Specialty Papers
- Patent Law / Protection of Intellectual Property
- Project Management
- Marketing and Product Management
- Sustainable Development

Degree

Master of Engineering (M.Eng.)

First class job prospects

are available to graduates of the Master programme. Graduates have very good chances of an interesting career in the world of paper and board.

The paper industry offers many opportunities in production, research and development, as well as in the engineering and supply industry. A Master of Paper Technology provides a wide range of possibilities including mill manager or member of the board of executives.

Those careers are not only reserved for men, as has been proven by a number of very successful female students in the past.

The paper industry is becoming increasingly global, thus favouring our highly international study at the Munich University of Applied Sciences.

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Master programme

Paper Technology

Master of Engineering

Admission Criteria

Consecutive Master

- Bachelor from a university, in a Paper Engineering course of study
- Proof of the knowledge of the English language in speaking and writing (e.g. IELTS/TOEFL Test), as all lectures are given in English

Post-graduate Master

- Bachelor from a university, in a technical or scientific field
- 1 year of work experience after degree
- Proof of the knowledge of the English language in speaking and writing (e.g. IELTS/TOEFL Test), as all lectures are given in English

Costs

- Student union fee 52,- € and semester ticket 59,- €
- Tuition fees (only for post-graduate students) are 10.000,- € (not including accommodation). Tuition fee can be paid on a semester basis.

Further conditions for admission may apply.

Important Dates

The courses will start biannually, on March 15th and October 1st. For applications period and application form please see: <http://www.pp.hm.edu/studienangebot/masterstudiengang/master.de.html>

Completed applications should be submitted as early as possible, in order to ensure a place in the programme.

Contact and Further Information

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July 2013

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Study in Munich!

The Munich University of Applied Sciences was founded in 1971. Today, with more than 17.500 students, roughly 500 professors and about 750 part-time lecturer, it is the largest University of Applied Sciences in Bavaria, and one of the largest in Germany. It has excellent contacts with local businesses in the high-tech area. In addition, that, Munich, the capital city of Bavaria with its nearly 850-year-old history, has established itself as one of the cultural capitals of the world. Furthermore the library of the University has one of the biggest selections of specialised books for paper and packaging.

