

SUSTAINABLE CHEMISTRY MANAGEMENT

MBA



→ PROFESSIONAL SCHOOL

[professional programme]



MANAGING CHEMISTRY FOR SUSTAINABILITY

Sustainability agendas across the globe highlight an urgent need for our socio-economic practices to remain within the safe operating space of our planet's boundaries. The practice of chemistry is at the basis of our value creation and is tightly linked to sustainability. How can we transform it to shift gear and meet the requirements of sustainable development? The MBA Sustainable Chemistry Management uniquely combines training in sustainability management with operational knowledge relevant to various sectors connected to the chemical enterprise. Participants are equipped with valuable expertise and tools for sustainability based decision making in value chains and organizations.

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YOUR ADVANTAGES AT A GLANCE

- Understand how the socio-economic practice of chemistry is linked to sustainability
- Develop communication skills for discussing what is “green” and what is “sustainable”
- Learn about policies and regulations for climate neutrality, chemical safety and product circularity
- Learn the fundamentals of sustainability management in diverse settings
- Learn how to plan for circular material and product flows in a circular economy

MBA SUSTAINABLE CHEMISTRY MANAGEMENT

4 | The MBA Sustainable Chemistry Management provides comprehensive training for sustainability-oriented management in various sectors connected to the chemical enterprise. Nearly all sectors of the socio-economy, including agriculture, housing, healthcare, mobility, energy to the IT sector, depend on the use of chemical products. They are facing an imminent necessity to change gear in response to climate change, pollution and resource depletion. New types of resources and energy systems are required, along with increased circularity in resource and product flows, and compliance to international regulations for pollution prevention and climate neutrality. Learn with us how to integrate transformative management practices related to the chemical sector in your field of profession – and become a leading actor in reshaping our socio-economy to the requirements of sustainable development.

CERTIFICATE COURSES

Apart from the full 60 CP programme, a certificate covering 4 modules of the programme (20 CP) is available:

- Practices of Sustainable Chemistry:
Modules Concepts of Sustainable Chemistry, Resources, Recycling and Circular Economy, Regulations and International Conventions, Tools for Sustainable Chemistry

1st Semester

Principles of Sustainability Management [5 CP]

Perspectives of Sustainability Management [5 CP]

Concepts of Sustainable Chemistry [5 CP]

Resources, Recycling and Circular Economy [5 CP]

2nd Semester

Conditions for Sustainability Management [5 CP]

Applied Sustainability Management [5 CP]

Regulations and International Conventions [5 CP]

3rd Semester

MASTERS THESIS [15 CP]

COMPLEMENTARY STUDIES
Society and Responsibility [5 CP]

Tools for Sustainable Chemistry [5 CP]

FOR PROFESSIONALS

FLEXIBLE STUDYING

6 | The MBA Sustainable Chemistry Management is designed so that participants can continue working full-time during their studies. The course content is provided via Leuphana University's e-learning platform. In addition, two onsite sessions of 1 to 2 weeks each will take place on the Campus of Leuphana University at the beginning and end of the programme, providing unique opportunities for networking and peer to peer discussions.

During the e-learning phases, participants are required to self-study as well as work interactively in groups to work through the course material. This comprises e-lectures, literature, useful websites and accompanying assignments. Throughout the programme, participants are supported by the lecturers, the programme staff and the e-learning team.

THE PROFESSIONAL MASTERS PROGRAMMES OF THE PROFESSIONAL SCHOOL ARE

- **Tailored to your needs:** Content is designed to meet the requirements of working professionals. Study time per week is adjusted to allow studying while working full time.
- **Flexible:** Our e-learning platform supports self-organised learning and work in virtual work groups. This allows for high flexibility and enables you to individually plan your study workload.
- **Transfer-oriented:** Topics of global and acute relevance are discussed in groups and interdisciplinary projects, promoting knowledge exchange and transfer to practice.

7 | To move companies, economies, and societies towards sustainability, it is indispensable that the practice of chemistry is managed accordingly. Without any doubt professional background is needed for this new important management issue.

Prof. Dr. KLAUS KÜMMERER, Study Programme Director

Sustainability management supports decision-makers in improving environmental and social performance to achieve both: operating in the space of planetary boundaries and increasing competitiveness. This requires methods to analyse causes of sustainability problems and to develop innovative, effective and practicable business solutions. We are looking forward to add our experience to the MBA Sustainable Chemistry Management.

Prof. Dr. Dr. h.c. STEFAN SCHALTEGGER, Director CSM

Sustainability is the license to operate for all industries today and in the future and chemistry plays a key role in providing innovative solutions to global challenges around themes such as energy and resource efficiency. The new MBA Programme Sustainable Chemistry Management will enable young professionals to build broad and interdisciplinary knowledge, helping to meet an increasing demand for chemical solutions that contribute to sustainable development and the Sustainable Development Goals of the Agenda 2030 and beyond.

DR. MARTIN VOLLMER, Chief Technology Officer - Clariant International Ltd

Management practices of today must be guided by understanding global flows of matter in the socio-economy. Join us to become a transformative leader for sustainability!

Dr. MYRIAM ELSCHAMI, Study Programme Developer



**LEUPHANA PROFESSIONAL
SCHOOL** – ADDITIONAL
QUALIFICATION FOR WORKING
PROFESSIONALS AT UNIVERSITY
LEVEL | HIGHLY FLEXIBLE
COURSE STRUCTURE |
ATTRACTIVE LEARNING
ENVIRONMENT | PERFECT WORK-
LIFE-LEARNING-BALANCE

YOUR ADVANTAGES AT A GLANCE

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ONLINE-BASED DEGREE

The MBA Sustainable Chemistry Management is tailored to professionals who wish to study while continuing to work. The 3 semesters of the programme can be completed in less than two years. However, if more time is required, studies can be extended to up to four years. The programme's flexible structure provides extensive e-learning elements framed by two onsite sessions at Leuphana University, allowing your studies to be optimally integrated into your daily professional and personal schedule. An effective programme coordination and e-tutoring will make sure you are consistently supervised and guided throughout the degree.

NEW PROFESSIONAL OPTIONS

There is a growing demand for professionals with management training in sustainability related to the chemical sector. As a graduate of the programme you will be uniquely qualified to plan, guide and implement sustainable chemistry management in authorities, industry and related vocational fields.

INTERNATIONALLY-RECOGNIZED DEGREE

All study programmes at Leuphana Professional School are externally accredited according to German higher education guidelines, ensuring high quality standards are met at all times.

INTERNATIONAL AND INTERDISCIPLINARY

The programme is aimed at a global community. You will work on globally relevant topics in international groups, providing the opportunity to learn from each other about regional perspectives on questions that concern us all.

PROFESSIONAL NETWORK

You will get to know renowned international lecturers and practitioners. Additionally, you will have the opportunity to connect with other sustainability related programmes of Leuphana Professional School. Your professional network will expand in the field of sustainable chemistry management, across sectors, and globally.

MAKING A DIFFERENCE

As a graduate of the MBA Sustainable Chemistry Management you have unique management skills at the interface of the chemical sector and sustainable development, thus tackling the most pressing challenges of our time. You will be trained to think in systems, and how to lead transformative change processes.

CARRY ON WITH A PHD

Interested to learn even more? Successful completion of the programme entitles to the pursuit of a PhD.

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YOUR PATH TO THE MBA APPLICATION

12 | The programme is offered once a year. Applications for the March intake are due on the 30th of November of the previous year.

ADMISSION REQUIREMENTS

The MBA is designed for professionals from all academic backgrounds who wish to acquire management training at the interface of sustainability and chemistry.

Applicants for the MBA Sustainable Chemistry Management need to:

- Hold a first university degree (Bachelor, Master)
- Have professional experience of at least two years (one year in case of a completed Master degree)
- Provide proof of initial general management related skills acquired in a degree or a professional context
- Have sophisticated English skills (e.g. 92 points in the online TOEFL test or other relevant proof)

HOW MUCH DOES THE COURSE COST?

The fees amount to 14.850 EUR in total, plus around c. 210 EUR (current value) in semester fees. Costs relating to the degree may be deducted from tax subject to country specific tax regulations.



CONTACT AND ADVISING. FIND OUT DETAILS

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WOULD YOU LIKE TO RECEIVE MORE DETAILED INFORMATION?

Not sure whether you fulfill the requirements? Or interested in starting with a certificate? Please do not hesitate to contact us and make use of our counselling services.

Leuphana Universität Lüneburg
Institute for Sustainable Chemistry

Dr. Myriam Elschami

Programme Developer

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AT A GLANCE

Degree	MBA
Credit Points	60
Length of Study	3 semesters
Language	English
Start Date	March
Application Deadline	December 10
Costs	14.850 Euro total plus the current term contribution of c. 210 Euro per term
Programme Director	Prof. Dr. Klaus Kümmerer

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www.leuphana.de/mba-sustainable-chemistry