

Education & Student Affairs

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📧 tudelft.nl/en/student/administration

Faculty student portal

📧 studenten.tudelft.nl/en

Digital study guide

In the digital study guide you can find the programme details, courses and course details related to your study programme.

📧 studyguide.tudelft.nl

Timetables

Here you can find the timetables for courses and for the programme. For individual timetables see 'My Timetable' in Brightspace.

📧 timetables.tudelft.nl

General information

📧 www.lst.msc.tudelft.nl

✉ info-lst@tudelft.nl

Brightspace

Brightspace is TU Delft's digital learning environment. Students, instructors and staff use Brightspace for almost all communication for their courses. All information for LST-students becomes available through the Brightspace organization 'Master Life Science & Technology'.

📧 brightspace.tudelft.nl

Thesis office

Look at the step-by-step guide, published on the Brightspace organisation > forms > step-by-step.

📧 Brightspace > catalog > search for 'Thesis Office'

Submit your approved thesis application form to:

✉ ThesisOffice-TNW@tudelft.nl

Internship office

At the internship office you can find information about internships, other student experiences and tips.

📧 Brightspace > catalog > search for 'Internship Office'

✉ InternshipOffice-TNW@tudelft.nl for further question. Students with prior internship/working experience may apply for exemption.

✉ info-lst@tudelft.nl

Register for examinations

Register for your exams from 8 to 1 weeks in advance through OSIRIS, which can be found on Brightspace. Students are required to register for written exams in the examination registration system.

📧 tudelft.nl/en/student/education/courses-and-examinations/examinations

Administration of results, account group Applied Sciences

☎ +31 (0)15 27 89826

✉ spa-tnw@tudelft.nl

Results and progress

Using your Net-ID, Osiris provides you with results for examinations and an overview of your academic progress.

📧 brightspace.tudelft.nl > Osiris

Might there be any incorrectness, please inform the administration:

✉ spa-tnw@tudelft.nl

Regulations

The regulations handle all possible issues concerning education and examinations. Please look at the web page for an overview and the archive of all regulations.

📧 tnw.tudelft.nl/regulations

Servicedesk

The servicedesk at the entrance of the Applied Sciences building (no. 58) at the Van der Maasweg 9, 2629 HZ Delft is the place for questions or complaints concerning the building, furniture, ICT, coffee machines, certified transcripts and the like. Also for statement regarding theft you can consult the servicedesk.

✉ Servicepunt-TNW@tudelft.nl

📍 Applied Sciences building (58)
Van der Maasweg 9
2629 HZ Delft

Career & Counselling Services

A team of experienced and expert psychologists, central student counsellors and programme choice and careers counsellors are standing by to advise you and help you find the best type of support to suit your needs.

📧 Student portal > Career & Counselling Services

ICT & ICT-support

Student IT Desk provides support on the e-learning possibilities, such as Brightspace and all other ICT-related questions.

📧 student.tudelft.nl/ICT

E-service

For questions regarding (reactivation of) NetID.

📧 e-service.tudelft.nl

Free software for students

📧 tudelft.nl/en/student/ict/software

Master Life Science & Technology

Director of Studies

The programme director has final responsibility for the MSc-programme Life Science & Technology.
Prof. dr. Ulf Hanefeld

✉ u.hanefeld@tudelft.nl

📍 Faculty of Applied Sciences, Van der Maasweg 9
Building 58, Room: C2.210

Program coordinator and Academic Counsellor

The **academic counsellor** will advise you on all kinds of study-related matters, including personal problems. The **programme coordinator** supervises the daily routine of the programme. You may ask advice if you have a problem with the organization and logistics of the programme.

📍 Faculty of Applied Sciences, Van der Maasweg 9,
Building 58, room B0.120.

Ellen Winkler, academic counsellor

✉ Ellen.Winkler@tudelft.nl

Mirjam van der Geur, programme coordinator

✉ info-1st@tudelft.nl

Specialisation coordinators

📍 Faculty of Applied Sciences, Van der Maasweg 9

Cell Factory

Prof. dr. Pascale Daran-Lapujade

✉ P.A.S.Daran-Lapujade@tudelft.nl

📍 Building 58, room B0.350

To make an appointment, please mail to:

✉ M.C.VanderBurg@tudelft.nl

Biocatalysis

Prof. dr. Frank Hollmann

✉ F.Hollmann@tudelft.nl

📍 Building 58, room C2.130

To make an appointment, please mail to Frank Hollmann with 'appointment' in subject header.

Biochemical Engineering

✉ Dr. Walter van Gulik

📍 w.m.vangulik@tudelft.nl

Building 58, room C1.440

To make an appointment, please mail to Walter van Gulik with 'appointment' in subject header.

Board of Examiners

The (sub) Board of Examiners MSc-LST is charged with the responsibility of laying down the Teaching and Examination Regulations (TER) and Implementation Regulations (IR). The Board determines, among other things, examination results, deals with individual requests for exceptions in the study program (e.g. course exemptions) and acts as an intermediate between student and teachers. A student can file a request with the Board if he/she believes that the regulations lead to unfairness in his/her specific

situation and/or if he/she believes that an exceptions should be made. Any request to the Board of Examiners can be sent to the e-mail box.

🔗 [Forms for requests: Student Portal > Faculties > AS > Education > Forms](#)

✉ boardofexaminers-1st-as@tudelft.nl

Board of Studies

The Board of Studies is an advisory body and important stakeholder in the educational process, consisting of students and teachers. The Board of Studies has among other things, the right of consent **with certain aspects** of the Teaching and Examination Regulations (TER).

Besides this important responsibility the Board of Studies has the following tasks:

- ▶ To advise on all other aspects of the Teaching and Examination Regulations (TER) and the Implementation Regulations (IR) - the board has also the right of consent on certain aspects of the TER, mainly concerning the degree programme.
- ▶ Annually evaluate the way of executing the TER and IR.
- ▶ To monitor the quality of education in all aspects.
- ▶ To advise on all matters concerning education.

Student association for Life Science & Technology: LIFE

The student associations are the representatives of the students of the programmes. Foremost they organise drinks, excursions, lecture response groups.

🔗 svlife.nl

Study programme

The MSc programme takes two years (120 ECTS). During that time, you will attend lectures, complete practical assignments, and participate in internships and projects. You will have to choose one of three specializations: Cell Factory, Biocatalysis or Biochemical Engineering.

The composition of the MSc programme

The study programme is completed in the following way:

A In the first year (60 EC):

- ▶ General compulsory courses (15 EC)
- ▶ Specialization courses (18 EC)
- ▶ Electives (12 EC)
- ▶ Design Project (12 EC)
- ▶ Ethical, Legal & Social Issues in Biotechnology (3EC)

B In the second year (60 EC):

- ▶ Master thesis project (45 EC)
- ▶ Company internship (15 EC)

Year 1

1. General mandatory modules

Code	Course name	ECTS	Educ. Period	Exam Period
LM3331	Modelling and Computation for Life Science & Technology	5	x/0/0/0	t/ht/0/0
LM3341	Microbial Omics	5	x/0/0/0	t/ht/0/0
LM3451	Bioprocess Integration	5	x/0/0/0	t/ht/0/0
LM3561	Ethical, Legal and Social Issues in Biotechnology	3	0/0/0/x	
LM3822	Design project	12	0/0/0/x	
General mandatory part of the exam programme		30		

2. Specialization courses (Students need to complete at least 1 full specialization.)

2.1 Cell Factory

Code	Course name	ECTS	Educ. Period	Exam Period
LM3442	Metabolic Reprogramming	6	0/x/x/0	0/0/t/0/ht
LM3601	Molecular Biotechnology & Genomics	6	0/x/x/0	0/0/t/ht
LM3432	Analysis of Metabolic Networks	6	0/x/0/0	0/t/ht/0

2.2. Biocatalysis

LM3701	Advanced Enzymology	6	0/x/x/0	0/0/t/ht
LM3731	Advanced Biocatalysis	6	0/x/x/0	0/0/t/ht
LM3434	Advanced Protein Chemistry and Analysis	6	0/0/x/0	0/0/t/0/ht

2.3. Biochemical Engineering

LM3741	Fermentation Technology & Environmental Biotechnology	6	0/x/x/0	0/0/t/0/ht
LM3751	Transport & Separation	6	0/0/x/0	0/0/t/ht

Choice out of the 2 courses: LM3611 or LM3432

LM3611	Microbial Community Engineering	6	0/0/x/0	0/0/t/0/ht
LM3432	Analysis of Metabolic Networks	6	0/x/0/0	0/t/ht/0

Specialization courses **18**

3. Electives

A list of preferred electives for each specialization and the corresponding procedures for choosing electives are published on Brightspace MSc Life Science & Technology, accessible with a TUD NetID, or on demand through

✉ info-1st@tudelft.nl. Specific LST-electives are mentioned hereafter:

Code	Course name	ECTS	Educ. Period	Exam Period
LM3771	Protein Engineering	3	0/x/0/0	0/t/h/0
LM3311	Green Chemistry & Sustainable Technology	3	0/0/0/x	0/0/0/t/ht
LM3581-NB	Metabolic Systems Biology	3	0/0/x/0	
LM3351	Topics in Biotechnology - Theory	3-5	0/0/x/0	
LM3356	Topics in Biotechnology - Practical	10-12	0/0/x/x	
LM3691	iGEM	18	Start 3	
Elective courses		12		

Year 2

4. Projects

Code	Course name	ECTS	Educ. Period	Exam Period
LM3901	Master Thesis Project (MEP)	45		
A: LM3803	Company Internship	15		
B: TUD4040	Joint Interdisciplinary Project	15	Period 1	
C: LM3804	Non-industrial Internship project*	15		
Total year 2		60		

A. We expect MSc students LST to perform a COMPANY INTERNSHIP (LM3803, 15 EC), preferably after the MEP.

B. An alternative is participation in the JOINT INTERDISCIPLINARY project (TUD4040, 15 EC)

C. In exceptional cases, the programme coordinator may allow a student to carry out a non-industrial internship project (LM3804, 15 EC) with learning outcomes equivalent to those of the Company Internship LM3803.

1st year

1 st period	2 nd period	3 rd period	4 th period
General Mandatory Courses 15	Specialisation Courses	Specialisation Courses	Design Project 12
	Electives	Electives	Ethical, Legal & Social Issues in Biotechn. 3
Total ECTS 15		15	

Examples of Timetable Composition 1st year

Cell Factory

1 st period	2 nd period	3 rd period	4 th period
General Mandatory Courses 15	Metabolic Reprogramming 2,5	Metabolic Reprogramming 3,5	Design Project 12
	Molecular Biotechnology & Genomics 2,5	Molecular Biotechnology & Genomics 3,5	Ethical, Legal & Social Issues in Biotechn. 3
	Analysis of Metabolic Networks 6		
	Electives ~4	Electives ~8	

Biochemical Engineering

1 st period	2 nd period		3 rd period		4 th period
	OPTION 1a	OPTION 1b	OPTION 2a	OPTION 2b	
General Mandatory Courses 15	FTEB 4		FTEB 2		Design Project 12
	AMN as part of BE-spec. 6		Transport and Separation 6		Ethical, Legal & Social Issues in Biotechn. 3
	Electives ~6	Electives ~12	Electives ~7	MCE as part of BE-spec. 6	

Biocatalysis

1 st period	2 nd period	3 rd period	4 th period
General Mandatory Courses 15	Advanced Biocatalysis 3,5	Advanced Biocatalysis 2,5	Design Project 12
	Advanced Enzymology 3,5	Advanced Enzymology 2,5	Ethical, Legal & Social Issues in Biotechn. 3
		Advanced Protein Chemistry & Analysis 6	
	Electives ~8	Electives ~4	

2nd year

1 st period	2 nd period	3 rd period	4 th period
Master Thesis Project			Company Internship
			15

Legend	General Compulsory courses	Compulsory courses	Compulsory Specialisation courses	Elective(s)
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