



MSc Biomedical Engineering (BME): Who We Are

Administrative part

Christian Frei

Coordinator MSc BME



Reto Kreuzer

Coordinator of studies, D-ITET*



*Other ETH-departments involved: D-HEST, D-MAVT and D-PHYS



MSc Biomedical Engineering (BME): Who We Are (Track Advisors)

- Bioelectronics
 - Taekwang Jang
 - Janos Vörös
 - Hua Wang
 - Mehmet Fatih Yanik









- Biomechanics
 - Ralph Müller
- Bioimaging
 - Klaas Prüssmann





Brad Nelson



- Medical Physics
 - Tony Lomax
 - Marco Stampanoni
- Mol. Bioengineering
 - Mark Tibbitt
 - Marcy Zenobi











Student's associations: BEEZ and AMIV

- BEEZ: Biomedical Engineering Student Association
 - Lorenzo Petrella



Pau Altur Pastor



AMIV: Student's Association of D-ITET and D-MAVT





Incoming Class HS24

- 86 students
 - Belgium (1), Canada (1), China (1), Finland (1),
 Germany (4), Hungary (1), India (1), Italy (10),
 Netherlands (6), Spain (2), Switzerland (55), UK (2) and USA (1)

ETH Zurich Bachelors (51)

Male (34), female (52)

Note: some students are not enrolled yet





Your Studies are Subject to Regulations

- Study regulations
 - www.rechtssammlung.ethz.ch
 - www.master-biomed.ethz.ch



RSETHZ 324.1.0350.53

Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich

Programme Regulations 2020

of the Master's degree programme in

Biomedical Engineering

Departments of

Information Technology and Electrical Engineering⁽¹⁾ (D-ITET)

Mechanical and Process Engineering (D-MAVT)

Health Sciences and Technology (D-HEST)

Physics (D-PHYS)

29 October 2019

This English translation is for information purpose only.

The original German version is the legally binding document.

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Version: 29.10.2019 - 0

Qualification profil

- 1



¹ Leading department, pursuant to Art. 33, Para. 1 of the ETH Zurich Organisational Ordinance (Organisationsverordnung ETH Zürich) of 16.12.2003 (RSETHZ 201.021).

Reminder: Student Online Portal



- Your administrative duties on www.mystudies.ethz.ch
- Enrollment to courses and exams:
 - Register for each semester until the end of the second week
 - Register for courses (early in the semester; you need to be registered for a course to enroll for an exam)
 - Submit a study plan/learning agreement (until the end of the 4th week)
 - Enroll for exams please enroll during the 3rd and 4th week of the semester (withdrawal possible until very late)
- Read your email!

Login

You must select the language before logging in. Die Sprachauswahl kann nur vor dem Login erfolgen.

Use your ETH Zurich account (nethz).

Start



How to Choose / Enroll for Lectures?

- Consult your track advisor!
- Overview of lectures to choose from:
 - http://www.master-biomed.ethz.ch/education

- Course catalogue:
 - www.vvz.ethz.ch
 - Level:
 - Master's Degree Programme
 - Department: ITET
 - Programme: MSc Biomedical Engineering Master





120 Credits ECTS to Fulfill the MSc BME

Mandatory credits

_	Track Courses	52 CP
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- Track Core Courses, at least 12 CP
- Recommended Elective Courses
- Biology Courses

Part of the learning agreement (see below)

_	Semester Project	12 CP
_	Master Project	30 CP
_	Science in Perspective (SiP)	2 CP

• Sum 96 CP



120 Credits ECTS to Fulfill the MSc BME

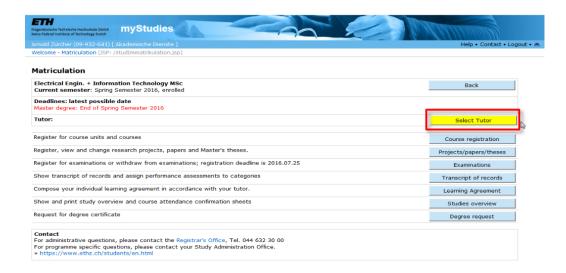
Mandatory credits		Selected choice	
 Track Courses Track Core Courses, at least 12 CP Recommended Elective Courses 	52 CP	 More Track Courses 	up to 24 CP
 Biology Courses 		Additional Projects and LaborSemester Project 2	oratory Courses 12 CP
Semester ProjectMaster ProjectScience in Perspective (SiP)	12 CP 30 CP 2 CP	Research ProjectIndustry Internship	6, 12, 18 or 24 CP 12 CP
• Sum	96 CP	• Sum	24 CP



Learning Agreement / Individual Study Plan

- Select tutor
- Discuss your choice with the track advisor, edit and submit the list in myStudies by the end of the fourth week of the semester

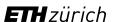
- Contains all core courses, recommended elective courses and biology courses
- Track advisors can allow courses not predefined for a particular track
- Only these courses can be accounted for the final degree



120 Credits ECTS to Fulfill the MSc BME

Mandatory credits Selected choice Track Courses 52 CP More Track Courses up to 24 CP Track Core Courses, at least 12 CP Recommended Elective Courses Additional Projects and Laboratory Courses **Biology Courses** Semester Project 2 12 CP 6, 12, 18 or 24 CP Research Project Semester Project 12 CP Industry Internship 12 CP Master Project 30 CP Science in Perspective (SiP) 2 CP Sum 96 CP Sum 24 CP

Need to be supervised by a Professor from a <u>predefined list</u> >100 Professors from 9 different departments at ETH Zurich No approval by track advisor required



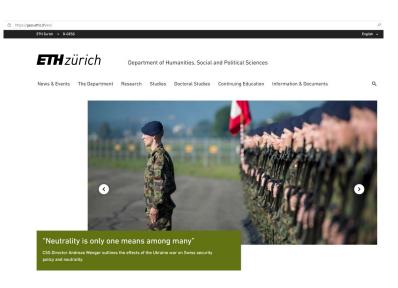
120 Credits ECTS to Fulfill the MSc BME

Mandatory credits

Track Courses 52 CP

- Track Core Courses, at least 12 CP
- Recommended Elective Courses
- **Biology Courses**

•	Sum	96 CP
	 Science in Perspective (SiP) 	2 CP
	Master Project	30 CP
	Semester Project	12 CP



The SiP courses are mandatory for all students at ETH Zurich

SiP courses are selected and offered by the Department of Humanities, Social and Political Sciences (D-GESS)

Contact: Study admin D-GESS, Malte Bachem, malte.bachem@gess.ethz.ch

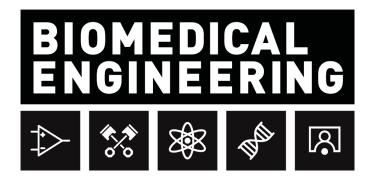
https://gess.ethz.ch/en/studies/science-inperspective.html

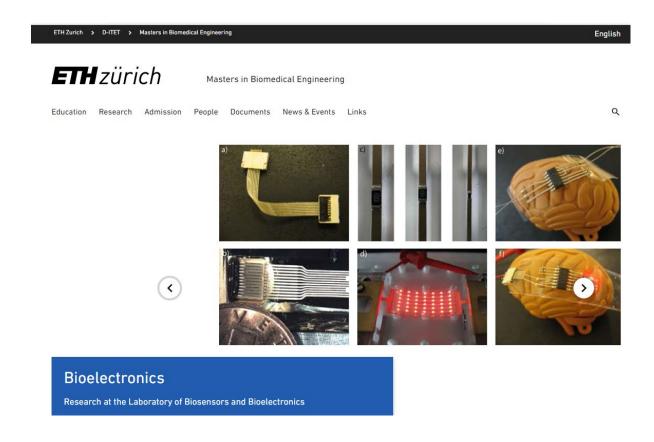


Questions?

- Come to us
- This presentation can be downloaded from our website:
 - http://www.master-biomed.ethz.ch/











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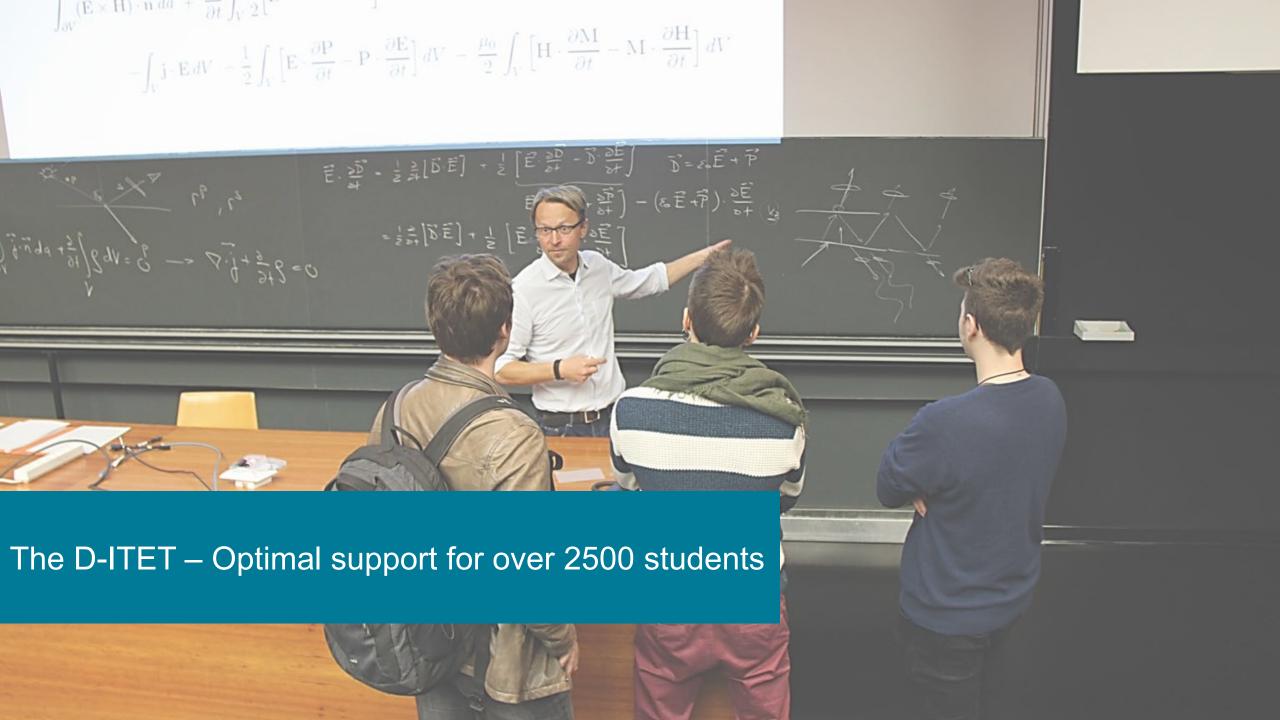


D-ITET Contacts + Information – for MSc Biomedical Engineering students

September 16, 2024 Reto Kreuzer, Coordinator of Studies / Student Advisor, D-ITET

Agenda

- 1. The D-ITET your new host department
- 2. Finding the right contact
- 3. Courses, exams and credits
- 4. Useful information



Your home department in numbers (2023)

BSc	ETH D-ITET	10'948 793	• 4′
MSc	D-ITET Electrical Engineering MSc Biomedical Engineering MSc Energy Science & Technology MSc Quantum Engineering MSc Neural Systems & Comp. MSc (UZH)	9'018 1'031 592 210 108 117 53	• 60 • ca • St
Exchange	ETH D-ITET	286 39	·IT

- 41 professors
- 60+ other lecturers
- ca. 500 doctoral students
- Study administration
- AMIV (incl. LIMES)
- IT support



Our professors



Prof. Morteza Aramesh



Prof. Laura Bégon-Lours



Prof. Luca Benini



Prof. Jürgen Biela



Prof. Helmut Bölcskei



Prof. Colombo Bolognesi



Prof. Florian Dörfler



Prof. Christian M. Franck



Prof. Benjamin Grewe



Prof. Ulrike Grossner



Prof. Richard Hahnloser



Prof. Gabriela Hug



Prof. Giacomo Indiveri



Prof. Taekwang Jang



Prof. Lana Josipovic





Prof. Ender Konukoglu



Prof. Sebastian Kozerke



Prof. Amos Lapidoth



Prof. Jürg Leuthold



Prof. Hans-Andrea Loeliger



Prof. Mathieu Luisier



Prof. John Lygeros



Prof. Valerio Mante



Prof. Onur Mutlu



Prof. Lukas Novotny



Prof. Mickaël Perrin



Prof. Klaas P. Prüssmann



Prof. Daniel Razansky





Prof. Marco Stampanoni



Prof. Klaas Enno Stephan



Prof. Christoph Studer



Prof. Laurent Vanbever



Prof. János Vörös



Prof. Hua Wang



Prof. Roger P. Wattenhofer



Prof. Vanessa C. Wood





Prof. Maksym Yarema

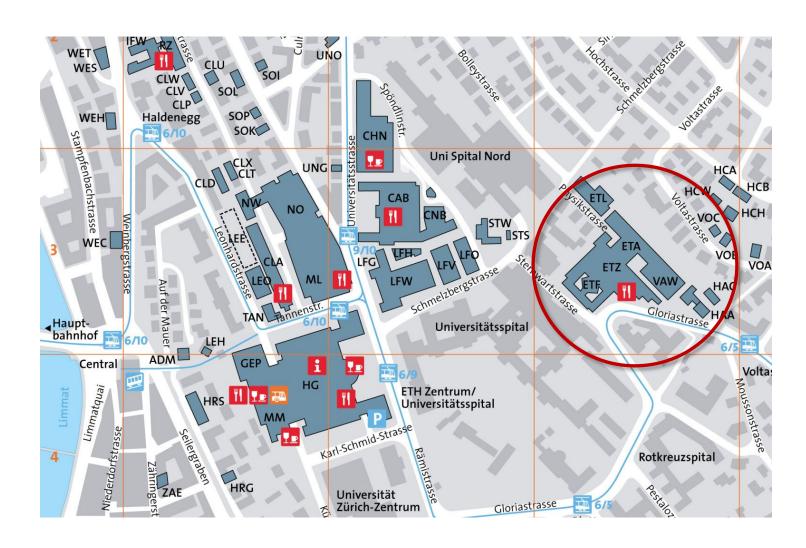


Prof. Fisher Yu

ETH zürich D-ITET Welcome Day 17.09.2024 20



Map of ETH and D-ITET





Where do I find information on the web?

General Information on studies at ETH

ETH students' website: www.ethz.ch/students

Information on the Master in Biomedical Engineering

D-ITET website: www.master-biomed.ethz.ch

Course catalogue

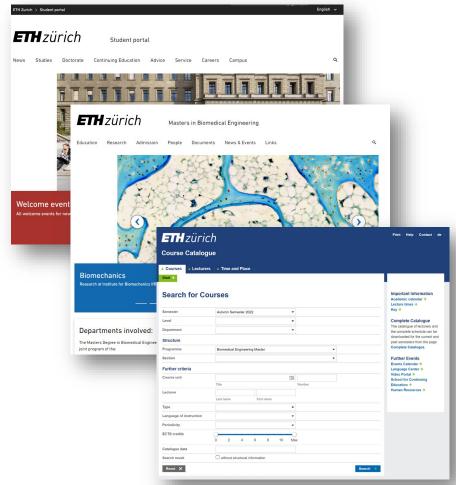
Online: <u>www.vvz.ethz.ch</u> > Programme >

Electrical Engineering (...) Master

Messages from ETH and the Department

Email on your ETH-Address (<u>username@student.ethz.ch</u>)

→ check your mailbox regularly and read the messages carefully!



Your most important contacts at ETH and the D-ITET

ETH / Rectorate

Registrar's Office (HG F 19)

General administrative questions e.g. matriculation, address changes, residence etc.



D-ITET / central services

Student Admin (ETZ H 85)

Study specific admin. questions e.g. grades/transcripts, waivers, counselling

Tutors / Lecturers / TA

Course specific questions, study plan

Students' association

AMIV (CAB E 37)

Social contacts, networking



Your contacts at the D-ITET



Prof. Christian Franck
Director of studies D-ITET

ETL H 24.1 +41 44 632 47 62 franck@eeh.ee.ethz.ch



Reto Kreuzer
Head of Student
Administration /
Student advisor

ETZ H 83 +41 44 632 08 15 info@ee.ethz.ch



Andrea Salow / Tali Scheiner Student Administration

ETZ H 85 +41 44 632 50 03 info@ee.ethz.ch



Audrey Djouadi
Course scheduling /
Student exchange advisor

ETZ H 87 +41 44 632 89 57 info@ee.ethz.ch



Counselling at ETH and the D-ITET

- Course selection ? → your track advisor
- Studies at D-ITET, i.e., deadlines, failures at examinations etc. ? → the coordinator of studies
- General questions regarding your arrival at ETH ? → <u>international student support</u>
- Time management / motivation ? → <u>student coaching</u>
- Difficult phases / personal problems ? → <u>psychological counselling service</u> (free of charge and confidential)

Computer infrastructure at ETHZ / D-ITET

- All public ETH-computers, e.g., Main Building HG D 11, or ET-Building ETZ D 61.1, require your n.ethz password, same as used for myStudies
- Only ITET students can access the computer infrastructure in the ET-building area, should you encounter a problem, contact D-ITET IT-support
- <u>Project Neptune</u> during a short period (until September 30), laptops and tablet computers may be purchased through ETH at interesting prices
- <u>IDES</u> ETH also offers software at very low cost, some products even for free. Remember: the use of non-licensed software is forbidden and subject to prosecution!

IT-support at D-ITET – https://infoposter.ee.ethz.ch



IT related information

ISG Website

The team, services & support

ISG Apps

Helpful applications

ISG Brochure

Introductory brochure

Computing Wiki

User's handbook

Student Computer Rooms

Where, reservation

ISG Service Status Page

Up-to-date service status

DISCOVER D-ITET AND ITS IT SERVICES



D-ITET related information

D-ITET

The department website

P&S

Registration for projects & seminars

FPApp

Registration for lab courses

Student Administration Office

Administrative support

Microelectronics Design Centre

Design tools, know-how

Project-based Learning (PBL)

Projects and hands-on practice

Facility Services

Services for ETZ, ETL, ETF, ETA and GLC



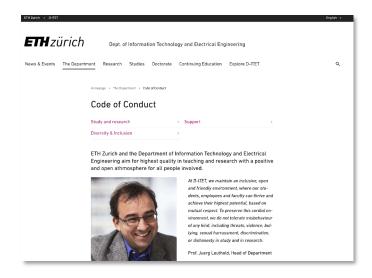
Code of conduct

« At D-ITET, we maintain an inclusive, open and friendly environment, where our students, employees and faculty can thrive and achieve their highest potential, based on mutual respect. To preserve this cordial environment, we do not tolerate misbehavior of any kind, including threats, violence, bullying, sexual harassment, discrimination, or dishonesty in study and in research. »

Prof. Jürg Leuthold, Head of Department

Further information on the Web:

- Our principles
- What is "inappropriate behavior"?
- How to react?
- Contacts / support





More details?

My Office

Reto Kreuzer, Study Coordinator D-ITET, ETZ H 83
Please send an email to fix an appointment (reto.kreuzer@ee.ethz.ch)

This presentation

Available tomorrow morning on www.ee.ethz.ch > Studies > Forms and Documents



Enjoy your studies at ETH!

