



FAKULTÄT FÜR
INFORMATIK

Digital Engineering

Master's Degree Program

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What is Digital Engineering?

Digital Engineering

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Computer Science + Engineering Discipline

⇒ Diverse application scenarios

- Robotics
 - Autonomous vehicle
 - Smart factory / Smart home
 - Intelligent Production
- Website: <http://vierfores2.ovgu.de/digi-eng/index.php/en/>

Study Program Structure

Digital Engineering Structure

	Σ 120CP
• Fundamentals of Computer Science:	$\geq 15\text{CP}$ (or $\geq 5\text{CP}^*$)
• Fundamentals of Engineering:	$\geq 5\text{CP}$ (or $\geq 15\text{CP}^*$)
• Methods of Computer Science:	$\geq 10\text{CP}$
• Methods of Engineering:	$\geq 10\text{CP}$
• Specialization:	$\geq 15\text{CP}$
• Human factors:	$\geq 5\text{CP}$
• Interdisciplinary team project:	6CP
• Digital Engineering project:	12CP
• Master's thesis:	30CP

(* dependent on your first study degree)

Where to Choose Modules from?

- Computer Science modules
 - Fundamentals: FIN Bachelor programs
 - Specialization: FIN Master programs (or advanced Bachelor)
- Engineering modules
 - Fundamentals: FEIT/FMB/FVST Bachelor programs
 - Specialization: FEIT/FMB/FVST Master programs (or advanced Bachelor)
- Human factors
 - All faculties: see current module list

Module catalogs: <http://www.inf.ovgu.de/ordnungenma.html>

The modules offered in the current term are in the LSF.

DO NOT use LSF to map modules to thematic areas!

First Semester Courses - Example

- For Engineering background
 - Introduction to Computer Science for Engineers
 - Introduction to Software-Engineering for Engineers
 - Introduction to Simulation
 - Algorithm Engineering
 - Database Concepts
 - Human Factors
- Lectures are given at Summer **or** Winter term
 - Distribute them over 1st **and** 2nd semester

Choosing modules to PLAN YOUR STUDIES

YOU
choose the courses you want to attend!

Which Engineering Direction?

- Mechanical
- Electrical
- ...
- Chemical
- Medical

Make a Plan at the Start of Each Semester

Personalized Plan of Studies

1. Find modules

- ✓ Go through the modules offered, according to the LSF (<https://lsf.ovgu.de/qislsf/rds?state=wtree&search=1&trex=step&root120152=10640|10594|10813|10481&P.vx=kurz>)
- ✓ Read the module descriptions (web pages) and
- ✓ Drop by at the first one or two meetings
- ✓ Make sure you have the background needed to attend the course – ASK the teacher if you are not sure

2. Assign the modules you chose to thematic areas

- Go through the module catalog

3. Write down your plan and have it approved →

PLAN OF STUDIES

- StudentID, Name, Date

Thematic Area	Semester	Module	CP
Fundamentals of Computer Science	1	1.
		2.
	2	3.
Methods of Engineering	2	1.
		2.
	3	3.
Human Factors	1	1.
	2	2.
...			

Keep Your Plan Up To Date

Personalized Plan of Studies

1. Find modules for each thematic area
2. Write down your plan and have it approved
 - **Submit the plan to the Examinations Office**
*IF NECESSARY**, the plan is forwarded to the Studies Coordinator together with your Transcript of Records
 - Go back and ask: Is my plan already approved?
3. Enroll to the modules once the plan is approved

Update your plan at the end of each semester!

(if not in compliance to module catalog for Digital Engineering)*

Examinations

Examinations for Master Students

- Each module must be completed with an exam
- What types of exam are there?
 - Oral examination – *mündliche Prüfung*
 - Written examination – *Klausur*
 - Homework – *Hausarbeit*
- Type of exam depends on module

ASK: Teacher

Examinations for Master Students

- When planing the 1st exam for a course, **BEWARE**
 - NO automatic enrollment – YOU must take action !
 - There are enrollment deadlines; if you miss a deadline, you cannot enroll
 - You can cancel an enrollment until 7 days before exam.
 - **Never register for an examination where you have not attend the lecture!**
- **BEWARE**
 - At most three tries per course.
 - You can have three tries for three courses total.
For all other courses you have two tries.
 - **No way of stepping back from the exam of a course!**

Examinations for Master Students - Repetitions

- If you fail the first try for an exam
 - You have **AT MOST TWO** more tries!
 - These tries are subject to deadlines!
- **BEWARE:**
No way of stepping back from the exam of a course!

Getting Advice

You can get Advice from

1. Studies Coordinators

- Prof. Gunter Saake
Office: G29-110
E-Mail: saake@iti.cs.uni-magdeburg.de
 - Prof. Frank Ortmeier
Office: G29-326
E-Mail: frank.ortmeier@ovgu.de
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Studies Coordinator Assistants

- Sebastian Nielebock
Office: G29-314
E-Mail: sebastian.nielebock@ovgu.de
- Sebastian Krieter
Office: G29-001
E-Mail: sebastian.krieter@ovgu.de

You can get Advice from

1. Studies Coordinators
2. International Relationships and Exchange Coordinator
 - Dr. Claudia Krull

Office: G29-214

E-Mail: claudia.krull@ovgu.de

Website: <http://www.inf-international.ovgu.de/>

You can get Advice from

1. Studies Coordinators
2. International Relationships and Exchange Coordinator
3. Examinations Office
 - Website: <http://www.inf.ovgu.de/pamt.html>

You can get Advice from

1. Studies Coordinators
2. International Relationships and Exchange Coordinator
3. Examinations Office
4. FARAFIN Students (E-Mail: post@farafin.de)

Establish contact to FARAFIN!

FARAFIN is the students' board of the FIN.

- They are students
- They are already familiar with the studies here
- They are volunteers who support other students
- They organize several events – from time management courses to come-together parties
- They also have a mentoring program for international Master students

You can get Advice from

1. Studies Coordinators
2. International Relationships and Exchange Coordinator
3. Examinations Office
4. FARAFIN Students

Establish contact to FARAFIN!

International Master's Night

25.04.2016

19:00 until 23:00

G29-307

You can get Advice from

1. Studies Coordinators
2. International Relationships and Exchange Coordinator
3. Examinations Office
4. FARAFIN Students
5. Other DigiEng Students

Get Connected to Other DigiEng Students!

They can help you to

1. Make your plan of studies
2. Enroll for examinations
3. Find out whether you can apply for a transfer of ECTS and how
4. Find your way through unfamiliar procedures