

A wide-angle photograph of the University of Bamberg campus. In the foreground, there are green plants and purple flowers. The middle ground features a modern, multi-story white building with large windows, adjacent to older red brick buildings. A tall, dark brick chimney stands in the background under a blue sky with scattered clouds.

Orientation Winter Term 25/26

- Degree Programme Representative. Prof. Michael Mendler, PhD
- Degree Programme Advisor: Joseph Stimpson
- Helpdesk: Tim Kipphan

Schedule, Thursday, 09.10.2025

- **Session 1: 14.00-15.00** – Introduction to the study programme with Q&A session
- **5 min break**
- **Session 2: 14.05-.14.30** – Module group A5 (study abroad/Internship)
- **Session 3: 14.30-15.00** – smooth sailing in M.Sc. IsoSySc / Info portals (FlexNow, UnivIS, VC Course) / example study plans

Important Links – Resources

- ➔ **MSc. ISoSySc Orientation:** <https://vc.uni-bamberg.de/course/view.php?id=45314>
- ➔ **Einführungstage an der WIAI:** <https://vc.uni-bamberg.de/course/view.php?id=45687>
- ➔ **MSc ISoSySc VC Course (Central Information Hub)** <https://vc.uni-bamberg.de/course/view.php?id=960>

Degree Programme Introduction

1. *The University of Bamberg*
2. The Faculty of Information Systems & Applied Computer Sciences (WIAI)
3. ISoSySc Master's Programme
4. Further Study Advice

City of Bamberg

- Old Town is over 1.000 years old
- UNESCO world cultural heritage since 1993
- population above 80.000
- picturesque buildings (romanesque, gothic, baroque)



Otto-Friedrich-University

- 1647 Prince Bishop Melchior **Otto Voit of Salzburg** founded the predecessor of today's university
- Prince Bishop **Friedrich Karl of Schönborn** (1647-1746) is said to be one of the first major sponsors of the university
- Today: ~ 10.000 students with 1.800 international students
- The university is distributed over numerous buildings in different parts of the city (**UNESCO World Heritage**)



Bamberg & The Otto-Friedrich-University



Faculties



Humanities



Social Sciences, Economics
and Business Administration



Human Sciences and Education



Information Systems and Applied Computer
Science

University Representatives



Prof. Dr. **Sabine Vogt**, Vizepräsidentin Diversität und Internationales,
Prof. Dr. **Stefan Hörmann**, Vizepräsident Lehre und Studierende,
Dr. **Dagmar Steuer-Flieser**, Kanzlerin, Prof. Dr. **Kai Fischbach**, Präsident,
Prof. Dr. **Thomas Saalfeld**, Vizepräsident Forschung (v.l.n.r.)

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The Faculty WIAI (established 2001)

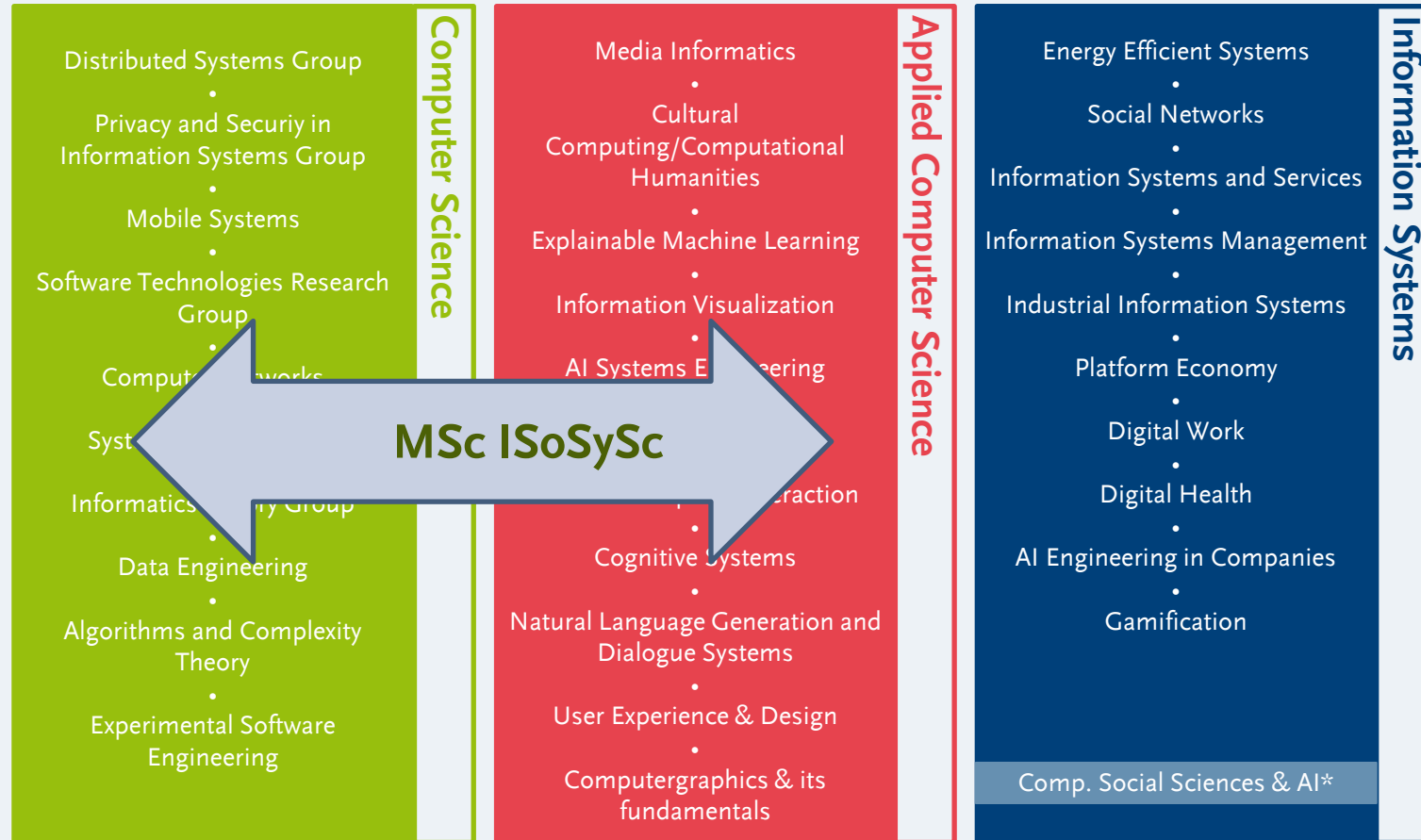


- Located at the ERBA island (since 2014) and Gutenbergstraße
- 30 research chairs and professorships (and expanding)
- ca. 1.600 students

- 3 Sections:
Information Systems
Applied Computer Science
Computer Science



The 3 WIAI Subject groups

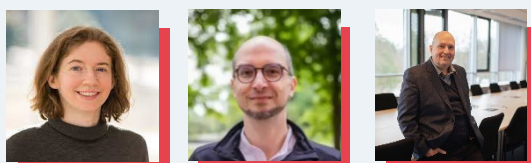
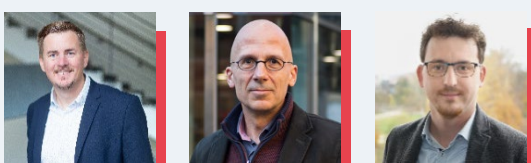
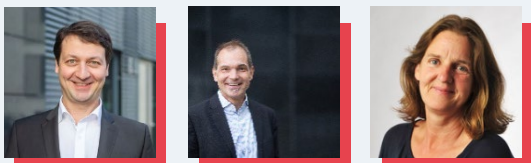
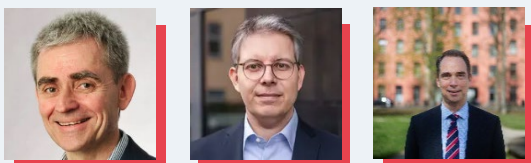


Computer Science

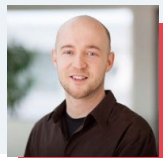


Winter term
2025/2026

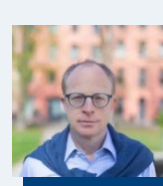
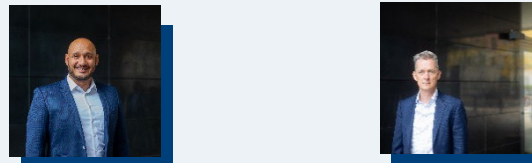
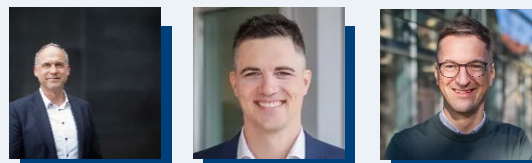
Applied Computer Science



Winter term
2025/2026



Information Systems



coming soon

?

Student Reps WIAI (Fachschaft)

- provide **counselling** & **advice** around university life and study affairs
- **represent** you on faculty boards & **mediate** with profs and admin staff
- organise **freshers' introduction week**, **tutorials**, (e.g. Unix, LaTeX)
- **socialise** & **meet** & ...
- **always welcome new members** ...



<https://www.uni-bamberg.de/wiai/fs/>

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Contact Persons



Prof. Michael Mendler, PhD
International Officer WIAI

Joseph Stimpson
Study Advisor
Studienberatung.ma-isosysc@uni-bamberg.de

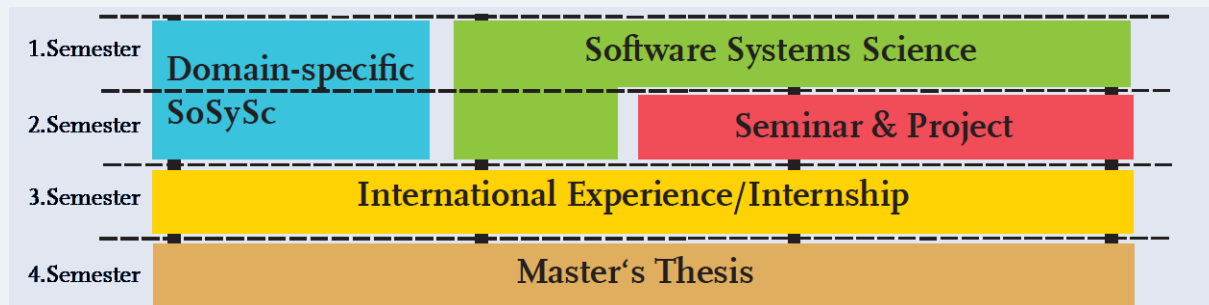
Tim Kipphan
Helpdesk
Helpdesk.ma-isosysc@uni-bamberg.de

M.Sc. ISoSySc (I)

- Enables you to specialize in all tasks needed for **analysing**, **designing** and **developing** large, **networked software systems** with innovative methods
- Student **projects** and a **study period abroad** or an **industrial internship** broaden your perspective, strengthen your team aptitude and help you gain valuable experience
- You will get into touch with **current trends** in **industry** and **research**, and advanced knowledge in the architecture, development and analysis of **modern software**

M.Sc. ISoSySc (II)

- ISoSySc-programme provides options in five thematic module groups A1-A5:



- You may select an area of specialization in line with your interests S1-S3: Theory, Systems, Software

Module Group A1 [30-69 ECTS] Software Systems Science

Basic foundational courses of the degree course:

- 3 modules of **compulsory** courses [18 ECTS] one in each specialisation: S1, S2, S3
- **elective modules** [max. 30 ECTS for each specialisation/max. 69 ECTS for the Module Group] selected from a large list of offerings

You will **get in touch with the different research groups** at WIAI and decide on your specialisation (for project, seminar, master's thesis).

Specialisation Field

Modules, seminar, project and thesis may be located in one of:

- S1: Theory
- S2: Systems
- S3: Software
- For **optional specialisation** of your degree you must conduct
 - master's thesis
 - seminar **or** project
 - at least 18 ECTS credits in A1/A2

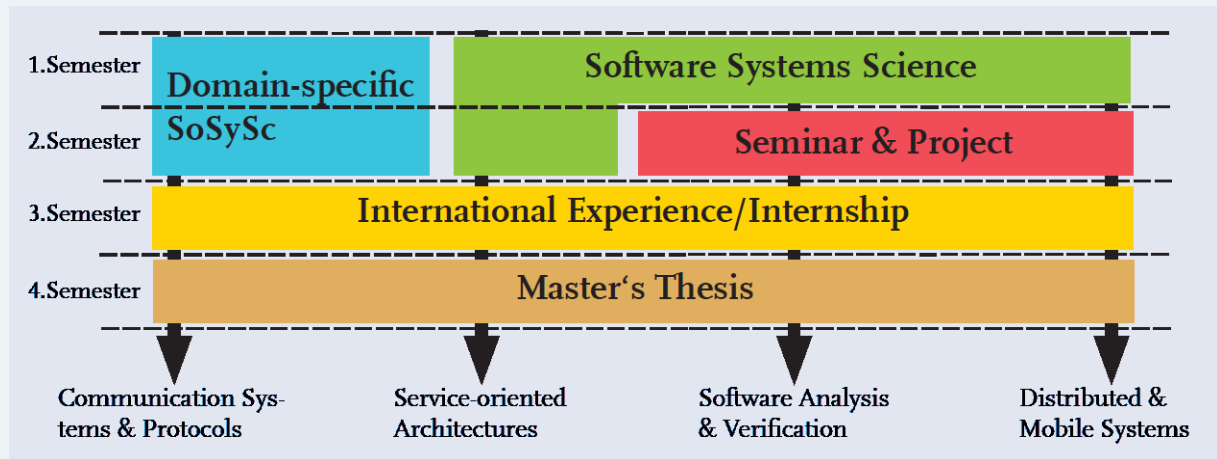
in your specialisation field.

Module Group A2 [0-39 ECTS] Domain-specific Software Systems Science

- optional elective modules from applied computer science modules or information systems
- Here you can broaden your knowledge into applied contexts

M.Sc. ISoSySc: OLD REGULATIONS (2024)

- ISoSySc-programme provides options in five thematic module groups A1-A5:



- You may select an area of specialization in line with your interests S1-S4

M.Sc. ISoSsSc: OLD REGULATIONS (2024)

Module Group A1 [36-54 ECTS] Software Systems Science



Basic foundational courses of the degree course:

- 4 modules of **compulsory** courses [24 ECTS] one in each specialisation: S1, S2, S3, S4
- optional 2 **elective modules** [12-30 ECTS] for specialisation selected from a large list of offerings

You will **get in touch with the different research groups** at WIAI and decide on your specialisation (for project, seminar, master's thesis).

M.Sc. ISoSySc: OLD REGULATIONS (2024)

Specialization Field



Modules, seminar, project and thesis may be located in one of:

- S1: Distributed & Mobile Systems
- S2: Software Analysis and Verification
- S3: Service-oriented Architectures
- S4: Communication Systems and Protocols

For **optional specialization** of your degree you must conduct

- master's thesis
- seminar **or** project
- at least 18 ECTS credits in A1/A2

in your specialization field.

M.Sc. ISoSySc: OLD REGULATIONS (2024)

Module Group A2 [0-18ECTS] Domain-specific Software Systems Science

- optional 3 elective modules from applied computer science modules [0-18 ECTS]
- Here you can broaden your knowledge into applied contexts

Module Group A3 [9 ECTS] Seminar & Projects

- **Master's Project** [6 ECTS]: written reports and final colloquium
- **Seminar** [3 ECTS]: literature research, essay and presentation
- Offerings on projects and seminars change each semester
- Regular attendance of classes/meetings is mandatory!

How to find a project or seminar?

- Registration for projects and seminars in the areas computer science and applied computer sciences via VC course "*WIAI Projekt- und Seminarinformation*"
- or
- Contact the chair you are interested in doing a project with directly

Module Group A4 [30 ECTS] Master's Thesis

- **Independent research on a special topic** in Software Systems Science; written thesis and colloquium
- **To be delivered within 6 months** of topic issuance
- The topic is chosen in the current research areas of one of the teaching/research groups
- **You contact the research group and negotiate the thesis topic yourself.**
- If you have not written a bachelor thesis before you are strongly advised to attend the extra-curricular course

– BEWARE – Progression Rule! –

New Regulations ONLY!

- Requires you to acquire at least 18 ECTS credit points in A1 by the end of the second study semester and at least 30 ECTS (5+ modules) by the end of the fourth study semester.
- If you fail, you cannot continue M.Sc. ISoSySc

Module Group A5: Internship or study abroad?

- We strongly recommend completing an internship.
- Studying abroad is not recommended because the effort is very high and you have included an international experience through your stay and studies in Bamberg.

→ Let's focus on the internship!

Module Group A5: Internship (I)

- 12 ECTS
- at least 360h
- Subject-specific
- International context
- Public or private sector

Module Group A5: Internship (II) – How to find?

- VC: Job-Börse WIAI
- Stepstone, Monster, Google
- WIAI Career Center (Dr. Folter)

Fakultät WIAI

Jobbörse WIAI

Kurs Einstellungen Teilnehmer/innen Bewertungen Berichte Mehr ▾

▼ Willkommen Alles einklappen

"Jobbörse" der Fakultät WIAI

Auf dieser Seite geben wir Stellenangebote weiter, die uns zugeleitet wurden.

Wir übernehmen keine Verantwortung für die Qualität und Seriosität der Angebote. Bei Problemen, Fragen und Anregungen wenden Sie sich bitte an das Career Center der Fakultät WIAI (careercenter.wiai@uni-bamberg.de).

Automatische Benachrichtigung über neue Stellenangebote:

Damit neu eingestellte Stellenangebote direkt per Mail zugesendet werden, müssen die einzelnen Foren individuell abonniert werden.

Forum auswählen > Foreneinstellungen (Klick auf das Zahnrad) > "Ich möchte das Forum abonnieren"

Stellenangebote für Absolventinnen und Absolventen

- Stellenangebote von Unternehmen/Organisationen
- Stellenangebote im wissenschaftlichen Bereich (u.a. Stellen für Doktoranden)
- Stellenausschreibungen der Universität Bamberg

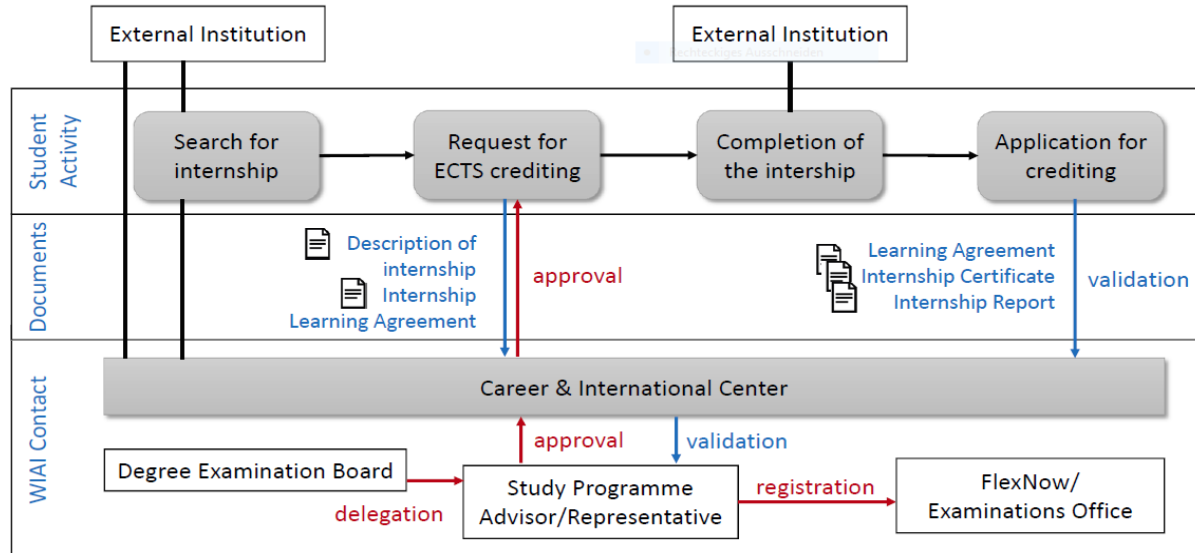
Stellenangebote für Studentinnen und Studenten

- Praktikums-/Werkstudierendenstellen
- Praktika im internationalen Kontext

Module Group A5: Internship (III) – How to get ECTS?

MSc ISoSyc Internship Process – V1

(Version April 2016, CJ, MM, AB)



Module Group A5: Internship (IV) – take aways

- Internship agreement (VC)
- Internship certificate (employer)
- Internship report (you)

= 12 ECTS! (we)



The Faculty of Information Systems and Applied Computer Sciences

Internship Learning Agreement (M.Sc. International Software Systems Science)

Mrs./Mr.
Surname, First Name matriculation num.

I plan to pursue the following internship towards fulfillment of the requirements of §37 Paragraphs (1) and (3) of the Study and Subject Examination Regulations (StuFPO) for obtaining the Master's degree in International Software Systems Science.

Planned dates / period of the internship:
Total estimated working hours (must be at least 360h):

Description of work area (must be relevant to Software Systems Science):
.....
.....
.....

Name and place of internship organisation:

Division / Department:

Contact / Supervisor at internship location (name and email):
.....
.....

I am aware that after completion of the internship I am required to submit a completion certificate (Praktikumszeugnis) issued by the department or organisational unit in which the internship was conducted and a written internship report of at least four DIN-A4 pages describing the content of the work done during the internship. The total work load must be at least 360h and fall into the field of software systems science.

Student's contact details:

.....
Zip Code, City
Street, House number
Phone Email

Place, Date Applicant's signature

Approved by MSc IsoSySc Programme Representative

Name:	Signature
Place, Date:	

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Study and Exam Regulations & Module Handbook (I)

They specify the rules and structure of the study course!

- General Examination Regulation (APO): Formal frame for all study programmes at the WIAI faculty, e.g. APO specifies the procedure for your master's thesis
- Study and Subject Examination Regulation (StuFPO): Specifies the structure and content of the ISoSySc specific study programme- The specifications in the StuFPO are binding.
- Module Handbook: Specifies all the modules you can study according to the StuFPO.

Study and Exam Regulations & Module Handbook (II)

- It is **your responsibility to be familiar with the StuFPO** to plan your studies properly and prevent aggravating consequences
- The StuFPO specifies the structure and options of your studies and specific procedures like
 - attending exceptional bachelor modules from the BSc programme
 - conducting your industrial internship
- When creating your study schedule, you need to use
 - the **right version of the StuFPO** of your entrance semester
 - the **current module handbook** (may change with each semester)

Study and Exam Regulations & Module Handbook (III)

- At the beginning of each semester you select your study modules from the module handbook and create your time table.
- ISoSySc can be studied as a **full-time** or **part-time** course of studies. You may switch between both at the beginning of each semester.
- The master's degree has a **regular duration of 4 semesters** and a **maximum study length of 6 semesters**.
- The full degree programme has 120 ECTS points ($1\text{ECTS} \triangleq 25\text{-}30\text{ hrs}$)

“Smooth Sailing” (I): Act Self-responsibly!

- Research Orientation:
 - You are trained & expected to discover information yourself & **apply scientific research methods**
 - „SSS-SRW-M: Scientific Research and Writing for Master’s Students“
- Plagiarism: ... **is a serious matter** at our university and must be avoided completely; familiarize yourself with the rules; check with supervisor in case of doubt!
- Module Choices & Individual Customization of Studies
 - Read the StuFPO multiple times and carefully
 - Plan your studies well ahead and consider all eventualities

“Smooth Sailing” (II): Timing is everthing!

- Everything has a date and a deadline!
- Appointments are taken for almost everything: Make sure to plan ahead for everything.
- Use your notebook & smart phone to **manage your personal time table!**
- **Do not miss exam registration!** You are not automatically registered for any exam. This needs your explicit consent by action.

“Smooth Sailing” (III): First Impressions count!

- Be reliable; Keep your word and keep your time!
- Coming early is not on time, coming after the agreed time is already too late.
- Yes, bad things do happen: If something gets in the way and you can't fulfil your promises: **inform and send your apologies in time!**
- Generally, **being courteous and polite is helpful** in all situations.
- **Email etiquette** is to be followed and observed

“Smooth Sailing” (IV): Language is important!

- You can get by on English fair enough: it will get even better if you speak German, too!
- Using English, you get simple answers to your questions; When you speak German, you get to know the people on a deeper, more personal level.
- Remember: **language is a cultural agreement and not just a communication tool!**

Now What? The Next Steps

1. Register/subscribe to the VC online courses
 - M.Sc. ISoSySc Orientation - Postadmission
 - M.Sc. International Software Systems Science
(with your ba– account number)
and don't forget to subscribe to the news forum
2. Study all the documents provided in the „MSc ISoSySc Orientation - Postadmission“ VC course
3. Post any questions you have to the forum...



@informatik_unibamberg



<https://www.uni-bamberg.de/wiai/>



@fachschaftwiai



Fakultät WIAI



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