



UNIVERSITÄT  
ZU KÖLN

WIRTSCHAFTS- UND  
SOZIALWISSENSCHAFTLICHE  
FAKULTÄT

# MASTER INFORMATION SYSTEMS

Welcome, September 25, 2024

# Academic Director: Prof. Dr. Detlef Schoder



# Who are you?



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Today's ideas.  
Tomorrow's impact.



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# Information Systems at the University of Cologne

- **M.Sc. Information Systems**
  - 42 students per year
  - 5 senior faculty (professors)
  - 4 Adjunct Faculty / Junior Faculty / Post-Docs / Visiting Lecturers
  - 12 research associates and staff
  - Very successful Master program since 2008
- **B.Sc. Wirtschaftsinformatik** (German, 75 students p.a.)
- **M.Sc. Business Analytics and Econometrics** (42 students p.a.)
- **M.Sc. Informatik**
  - Faculty of Mathematics and Natural Sciences



# Information Systems at the University of Cologne

## Distinguishing features

- Strongest research IS department in Germany (1st place according to AIS Ranking 2024)
- Excellent teaching (4th place in Germany according to WiWo-Personaler-Ranking 2024)
- Broad spectrum of topics (strategy, planning, development, innovation, management, ...)
- Three tracks (entrepreneurship and innovation, data and business analytics, sustainability)
- Large and excellent faculty (various minor subjects in business administration)
- Close cooperation with computer science (Faculty of Mathematics and Natural Sciences)
- Close cooperation with practice and industry
- Interactive learning environment with small classes and tutorials in the basic modules

# Excellent research with relevance



**Sustainable smart energy systems**



**Sustainable smart mobility**



**Human-AI interaction**



**Systems and Software Development**



**Digital Nudging**



**Behavioral Analytics**



**Human-AI Interaction**



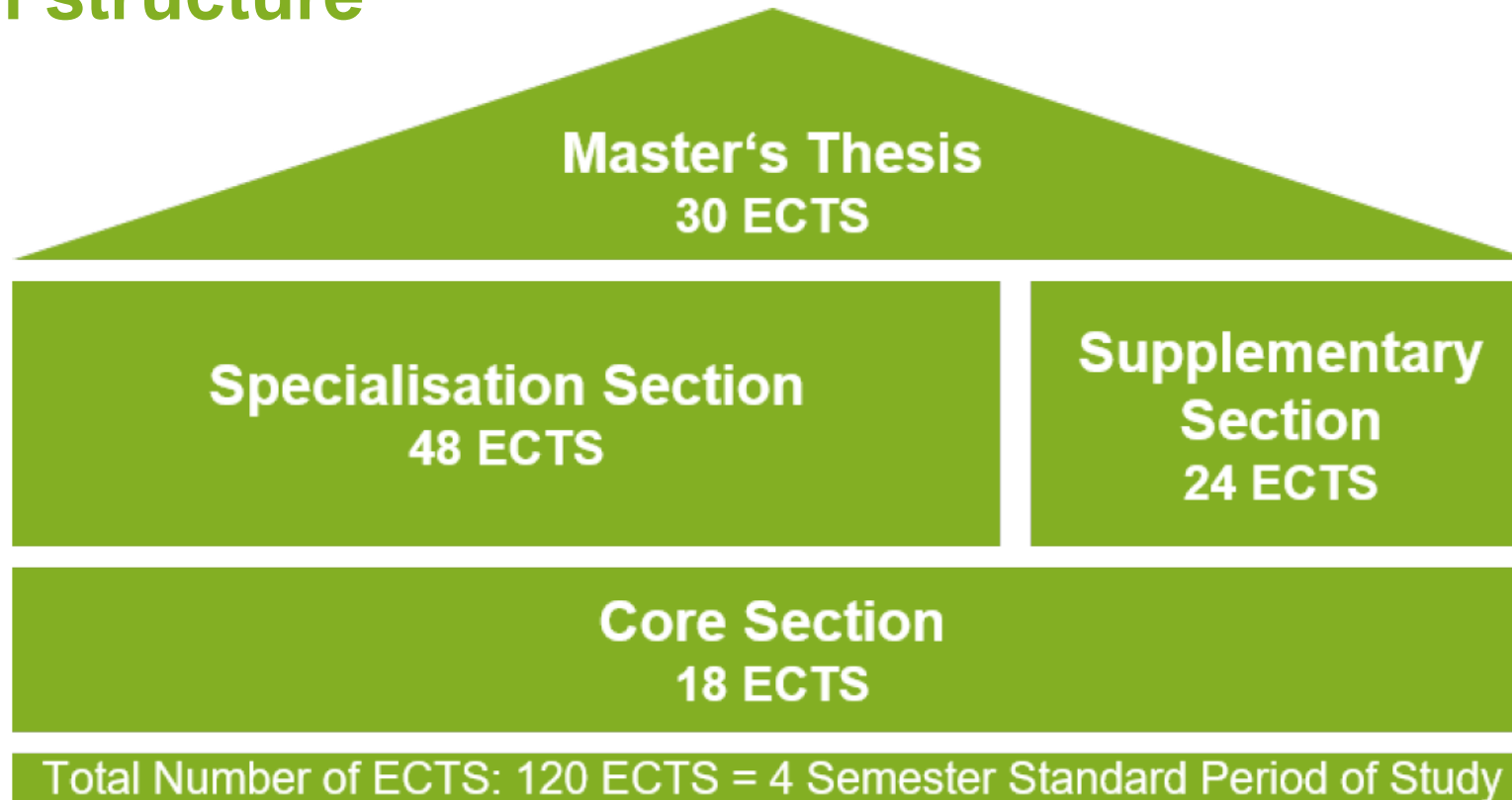
**Digital Transformation and Digital Innovation**

# Corporate partners (selection)





# Program structure



## Find important information and documents

- Download the B.Sc. Information Systems module handbook: [https://wiso.uni-koeln.de/sites/fakultaet/dokumente/downloads/MHB\\_Archiv/Studienjahr\\_22-23/MHB\\_PO2021/m\\_mhb\\_po2021\\_e\\_is.pdf](https://wiso.uni-koeln.de/sites/fakultaet/dokumente/downloads/MHB_Archiv/Studienjahr_22-23/MHB_PO2021/m_mhb_po2021_e_is.pdf)
- Contact the WiSo Student Service Point
- Look in KLIPS; detailed information on the individual courses is available in KLIPS and from the participating professorships

# Possible course of study

<p><b>Core Section</b></p> <ul style="list-style-type: none"> <li>Information Systems I</li> <li>Information Systems II</li> <li>Digital Transformation</li> </ul> <p>18 ECTS</p>	
<p><b>Specialisation Section</b></p> <ul style="list-style-type: none"> <li>Information Systems (Choice of max. 18 ECTS)</li> <li>Computer Science (18 ECTS)</li> <li>Seminars (12 ECTS)</li> </ul>	<p>(Choice of 1)</p> <p><b>Supplementary Section</b></p> <p>24 ECTS</p>
	Accounting and Taxation
	Corporate Development
	Finance
	Marketing
	Supply Chain Management
	Economics
	Media and Technology Management
	Political Science
	Sociology
	Tax Law
	Economic Psychology
	Optional Semester abroad
<p><b>Computer Science</b></p>	
<p>(Choice of) 3 <b>Seminars</b>, e.g.</p> <ul style="list-style-type: none"> <li>Collaborative Innovation Networks</li> <li>Sustainable Society</li> <li>Information Systems and Digital Technology</li> <li>Integrated Information Systems</li> <li>Information Management</li> </ul>	
<p><b>Master Thesis</b></p> <p>30 ECTS</p>	



# Didactic approach

Sage es mir, und ich vergesse es.  
Zeige es mir, und ich erinnere mich.  
Lass es mich tun, und ich behalte es.

What I hear, I forget.  
What I see, I remember.  
What I do, I understand.

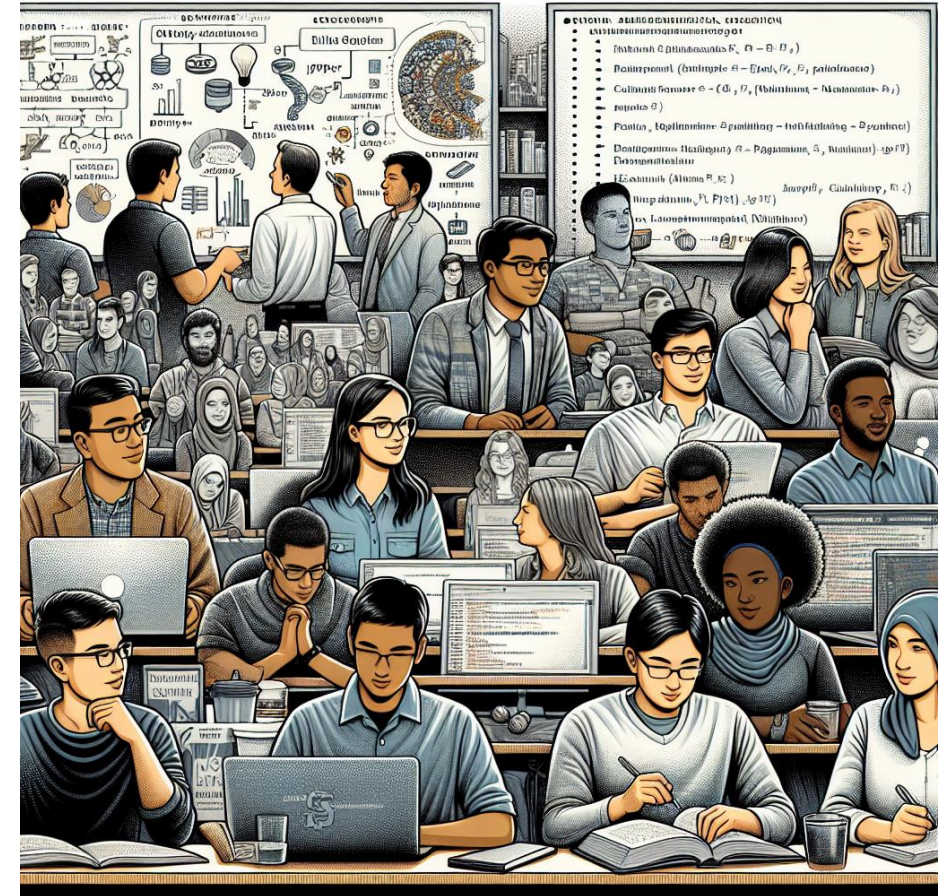
*Confucius*



# Didactic approach

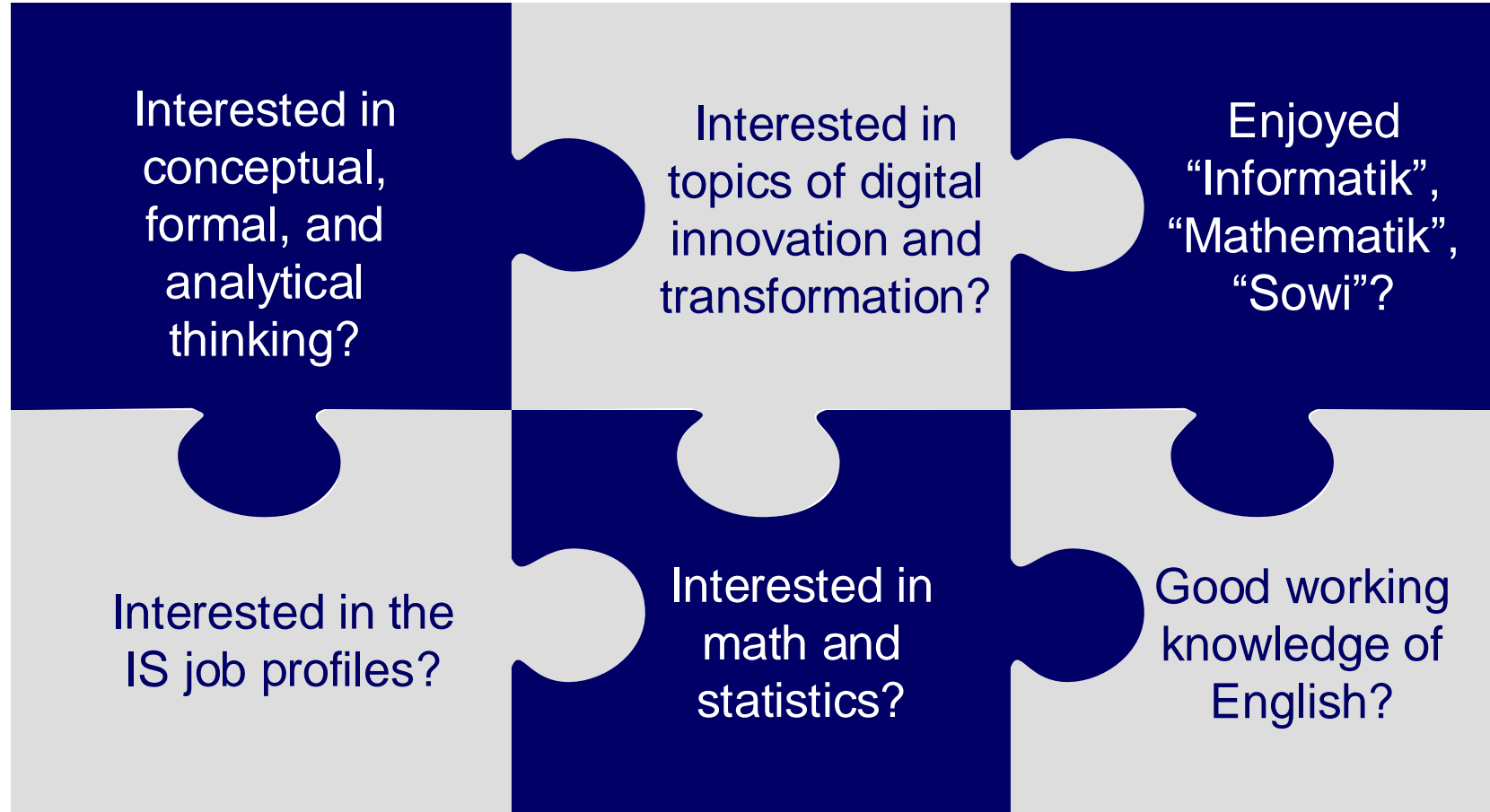
## What does that mean for us?

- Think!
- Writing and solving problems during the lecture!
- Solving problems!
- Discussing solutions!
- Active teaching and learning!
- Research!
- Use of software: SQL, ...
- Use of programming languages: Java, Python, R, ...
- Visits to the company
- Projects



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# Prerequisites



# Please elect IS cohort spokesperson!

- Please select two speakers from your cohort
- Speakers help channel communication between students and faculty
- Elected speakers, please contact your academic director at [schoder@wim.uni-koeln.de](mailto:schoder@wim.uni-koeln.de)

# Further information can be found at...

Area & Department IS – Cologne Institute for Information Systems

<https://ciis.uni-koeln.de/en/>

<https://www.linkedin.com/company/13979545/>

WiSo Student Service Point (WiSSPo)

<https://wiso.uni-koeln.de/de/studium/service-und-beratung/wiso-student-service-point>

<https://wiso.uni-koeln.de/en/studies/service-and-guidance/wiso-student-service-point>

WiSo Prüfungsamt / WiSo Examination Office

<https://wiso.uni-koeln.de/de/fakultaet/dekanat/pruefungsaeemter/startseite>

<https://wiso.uni-koeln.de/en/faculty/managing-board/examination-office/front-page>

WiSo Anrechnungszentrum / WiSo Credit Transfer Center

<https://ctc.uni-koeln.de/de/>

<https://ctc.uni-koeln.de/en/>

KLIPS and ILIAS

<https://klips2.uni-koeln.de/>

<https://www.ilias.uni-koeln.de/>

Student Council WiSo

<https://www.wiso-buero.uni-koeln.de/wp/>

WiSo Career Service

<https://wiso.uni-koeln.de/de/praxis/wiso-career-service>

<https://wiso.uni-koeln.de/en/corporate/wiso-career-service>

