



TALLINNA
TEHNIKAÜLIKOOL



Töö kõrvalt ja töökohal õppimist toetavad uued TTÜ äriinfotehnoloogia õppekavad

Üliõpilastes põhjendatud enesekindluse
kujundamisest

Dr. Gunnar Piho
Infosüsteemide dotsent
Äriinfotehnoloogia programmijuht



Kõrgharidus on 5 aastat õppimist + kogemused

Tarkvara kavandamine, arendamine ja ülalhoid

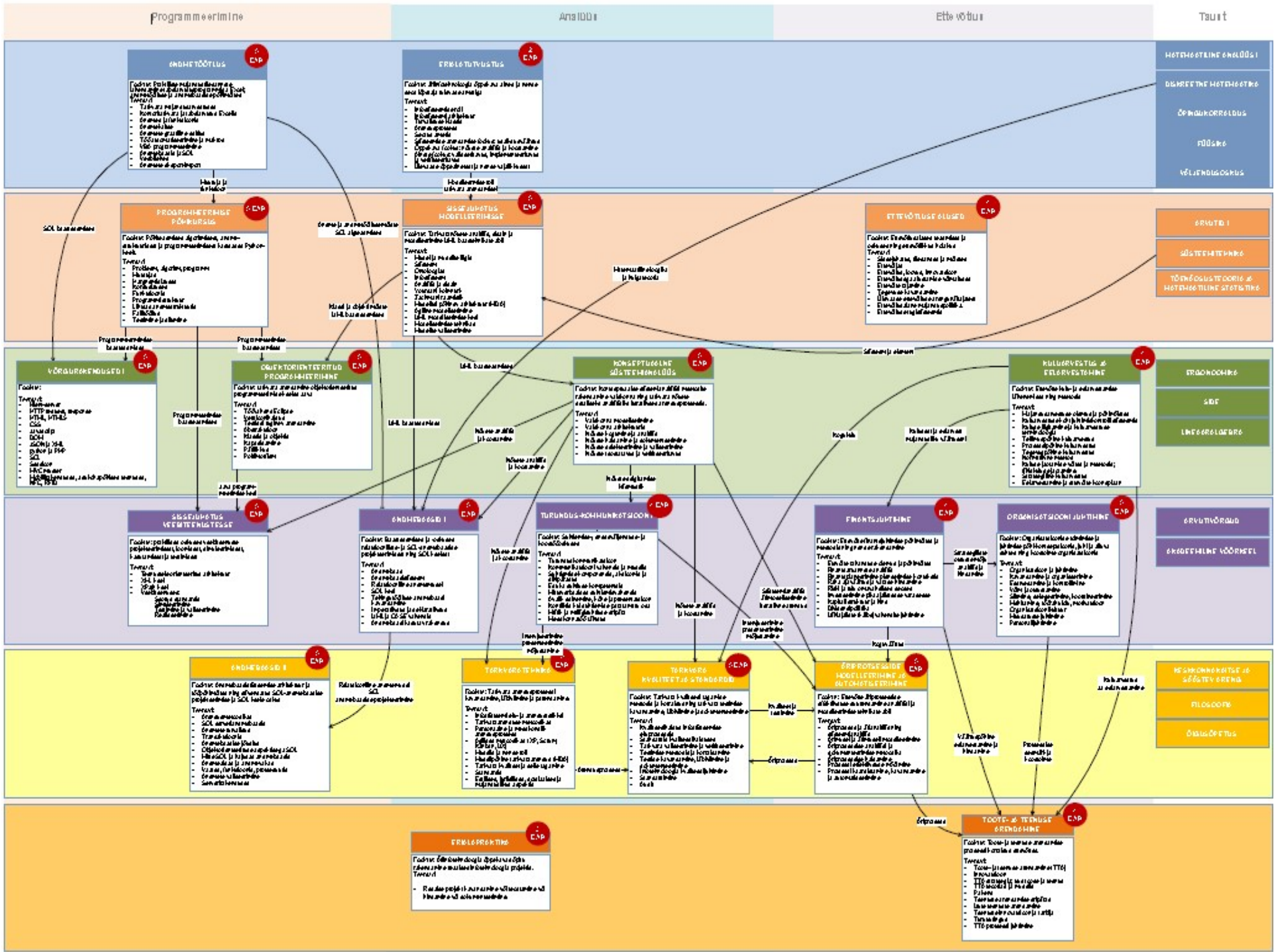
Bakalaureuse õppes – oskus meeskonnas töötada

- Baastadmised tarkvara arendamisest
- nooremarendaja, nooremanalüütik, ...

Magistriõppes – oskus planeerida, kavandada ja meeskonda juhtida

- Spetsialiseerumised
 - Ärianalüüs ja äriarhitektuur
 - Süsteemide analüüs ja arhitektuur
 - Äriteabe ja andmeanalüüs

Juhiks või tippspetsialistiks võidakse saada **peale 3-5 aastast töökogemust.**



Year 1

Web Development

- Skills and techniques for developing static and dynamic Web content
- Usability and evaluation principles

Project Management

- Tools and techniques for managing large-scale IT projects

Simulation

- Modelling techniques for simulating real-world problems

IT Infrastructure

- Hardware devices
- Web technologies, networking and operating systems
- The role and nature of computer programs

Business Applications

- The IT infrastructure within organisations and its role in business efficiency
- Data security policies and procedures

Professional Development

- Professional, social, legal and ethical issues in IT

Year 2

Programming

- Skills and techniques for developing computer programs
- Team working
- Software engineering

Practical Problem Solving

- 'Hands-on' practical activities
- Research-led problems e.g. scheduling, web applications and databases

Requirements and Evaluation

- Methods for gathering information and presenting findings
- Software development approaches

Interactive Database Systems

- Fundamentals of databases
- Human computer interaction

Strategy and Security

- Information security
- Business continuity
- Policies and procedures

Decision Making

- Optimisation tools
- Sensitivity analysis

Year 3

Final Year project

- Individual project work under supervision of a member of staff

Options from Research Applications

- Typical areas include visualisation, text mining, business optimisation, computer vision, distributed systems, biosystems, computer gaming



Peamine mudel

Matemaatika (6EAP)

Majandus / Juhtimine (6EAP)

Eriala / Spetsialiseerumine (12)

Eriala toetav IT (6EAP)

IABB17



	IT	Social/Economy	Math	Development	
1. semester	Computers	Introduction to Entrepreneurship	Discrete Mathematics	Information Systems Development I: Fundamentals	
2. semester	Computer Networks	Fundamentals of Economics	Data Processing (statistics)	Information Systems Development II: Web Applications	
3. semester	Operating systems and its management	Start-up Entrepreneurship	Mathematical Analysis I	Information Systems Development III: Database Applications	
		Legal Aspects in IT	Mathematics for Economics I		
4. semester	Fundamentals of Information and Cyber Security	Introduction to Accounting	Probability Theory and Mathematical Statistics	Information Systems Development IV: Distributed Applications	
			Mathematics for Economics II		
5. semester	Algorithms and Data Structures	Basics of Finance	Linear Algebra	Information Systems Development Team Project: procurement	
			Econometrics	Elective	Practical Training (Internship)
6. semester	Foundations of IT Management and Operation	Organization and management	Fundamentals of Natural Sciences and Sustainable	Information Systems Development Team Project	
		Financial Modelling		Thesis	

IABM02/18



	IT	Social/Economy	Math	Spezialization	Spezialization
1. semester	Elective	Elective	Math for CS (MIT)	Elective	Elective
2. semester	Elective	Elective	Elective	Elective	Thesis seminar I
3. semester	Elective	Elective	Elective	Elective	Thesis seminar II
4. semester	Elective	Elective	Thesis 18 EAP		



Töö kõrvalt ja töökohal? Kuidas?

40 tönädal + 40 tundi õppimist ??

IABB mudel -

kuni 0.5 kohta IT firmas on OK
(peamiselt testimisega seotud)
5. ja 6. semester 2 päeva nädalas ettevõttes
ka enda *Start-Up* on ettevõte
lõputööna saab kaitsta ka projekti

IABM mudel -

teooria ülikoolist, ainetööd töökohapõhiselt
2. semestri lõpuks magistritöö teemapüstitus
ka projekt on lõputööna OK
võimalik moodustada lõputöö realiseerimiseks „ettevõte“ ja saada
üheks aastaks bakatudentide meeskond enda meeskonda



Tänu

