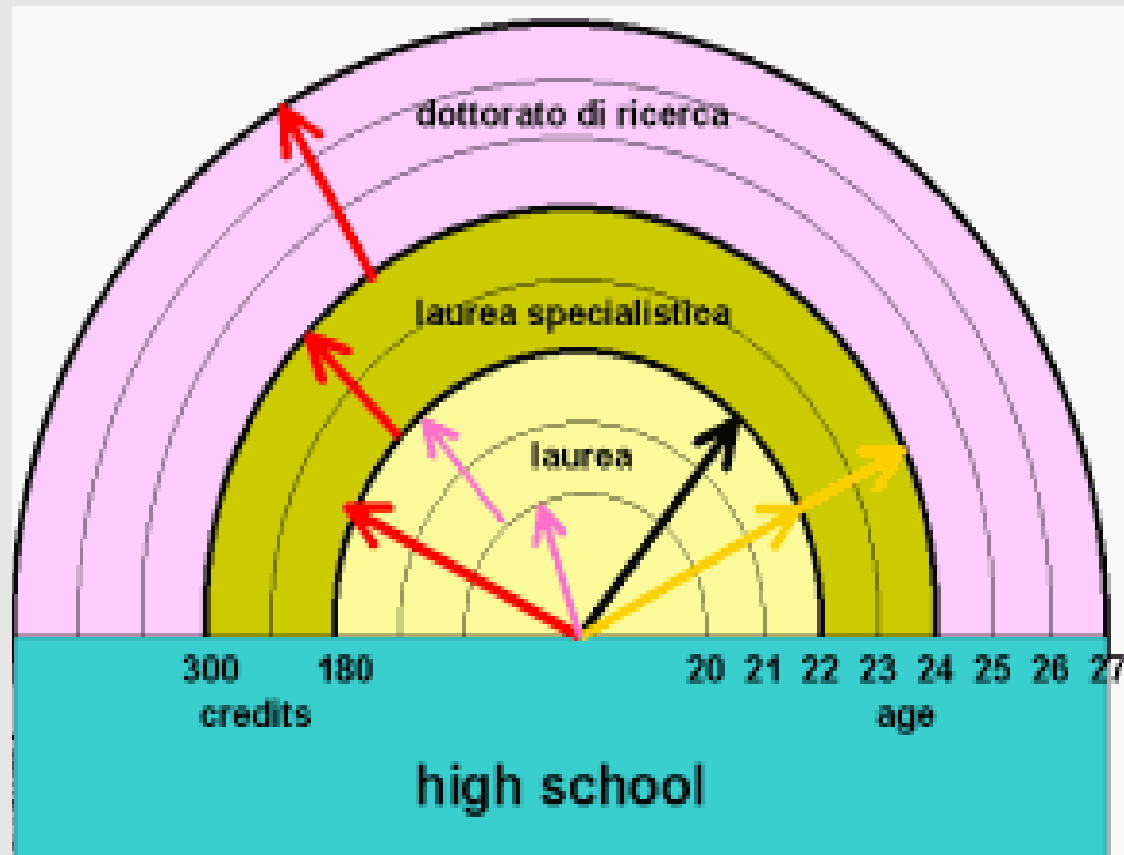


Bachelor in Applied Computer Science 2008/09

Alessandro Artale and Johann Gamper

Free University of Bozen-Bolzano

Reform of University Studies



Overview of Study Program

- Bachelor in Applied Computer Science (180 CP)

Languages (12 CP)	Ethics (4 CP)	General Skills (8 CP)	Free Choice or Internship (12 CP)	Internship and Bachelor Report (12 CP)
Mathematics and Physics (24 CP)		Basic Economics and Business (8 CP)		
Basic/Applied/Advanced Computer science (100 CP)				

Study Plan

Semester 1		CP	Semester 2		CP
Analysis	8	Algebra	4		
Introduction to Programming	8	Programming Project	8		
Computer Systems Architecture	4	Operating Systems	8		
Introduction to Economics and Business	4	Data Structures and Algorithms	8		
English	4	German 1/Italian 1	4		
Semester 3		CP	Semester 4		CP
Probability Theory and Statistics	4	Mathematical Methods for Physics	4		
Logic	4	Compiler	4		
Distributed Systems	4	Database Management Systems	4		
Formal Languages	4	Programming Paradigms	4		
Software Engineering	4	Internet Technologies	4		
Introduction to Databases	8	Software Engineering Project	8		
German 2/Italian 2	4	Business Administration	4		
Semester 5		CP	Semester 6		CP
Business Information Systems	4	Stream: Lecture 4	4		
Stream: Lecture 1	4	Internship and B.Sc. Final Report	12		
Stream: Lecture 2	4	Ethics	4		
Stream: Lecture 3	4	General Skills: Lecture 1	4		
Free Choice: Lectures or Internship	12	General Skills: Lecture 2	4		

Streams

- Specialization in a Stream (4 courses)
 - Databases (DB)
 - Information and Knowledge Management (IKM)
 - Software Engineering (SE)
 - Web Technologies (WT)

Course	WT	SE	IKM	DB
Computational Linguistics	X		X	
Formal Methods			X	
Internet Technologies	X	X		X
Knowledge Representation	X		X	X
Software Architectures	X	X		
Software Metrics		X		
Database Management Systems				X
Etc.				

General Skills

- Complementary courses (2 courses)
 - Presentation and Communication
 - Project Management
 - Team Work Management
 - Technology Assessment
 - Scientific Writing

Internships

- 2 Internships a 12 CP
 - Optional internship in free choice of student (5th semester)
 - Compulsory internship for the B.Sc. Thesis (6th semester)
- Internships can be done in
 - Companies
 - Faculty

Language Model

English <ul style="list-style-type: none">• Computer Science• Mathematics and Physics• Economics and Business			German/Italian <ul style="list-style-type: none">• General Skills• (Internship, Free Choice)		
Year 1		Year 2		Year 3	

- Language courses in the study program
- 1st year exercises are in 3 languages

Working Students

- 4-year program for working students
- Well-defined study plan
- Alternates between periods at FUB and company
- More information
 - 2nd of October at 13:00 in E211
 - Prof. Barbara Russo (barbara.russo@inf.unibz.it)

Characteristics

- Trilingual with a focus on **English** (80%)
- **Practice-oriented**: 2 internships
- Combination of **theory** and **practice**
- **Specialization** in streams

University Fees and Stipends

- University fees
 - 1.279,50 EUR/year
- Stipends
 - Autonomous Province of Bozen-Bolzano
 - Between 1,200 and 5,500 EUR/year
- Students entitled for a scholarship are entitled for the reimbursement of the university fees.

Two Important Steps

- Assessment test in Mathematics
 - **Tuesday, 7th Oct. 2008 from 14:00-16:00, room D001**
 - Mathematics support course with test in 1st semester
 - Not passing this test **blocks** you to take exams of the 2nd semester
- English language exam
 - Do the exam as early as possible (**end of 1st semester**)
 - Not passing the English exam **blocks** exams of the 2nd year

Final Recommendation

- **Start immediately** (today!) and work hard
- **Attend** the lectures and exercises
- **Interact** and socialize with other students and with the faculty (professors and secretaries)

... and you will have fun!

Additional Information

- Faculty of Computer Science
 - Via Sernesi/Sernesistrasse 1
 - Web: <http://www.inf.unibz.it>
 - Email: computer.science@unibz.it
- Head of Faculty Secretariat
 - Dott. Roberta Lena (roberta.lena@unibz.it)
- Regolamento didattico /
Studiengangsregelung