

-- idnr=national identification number (10 digits)

Programs(name, abbreviation)

Branches(name,programName)
programName → Programs.name

Departments(name, abbreviation)
abbreviation unique

DepartmentProgram(programName, departmentName)
programName → Programs.name
department → Departments.name

Students(idnr, name, login, programName)
programName → Programs.name
login unique

Courses(code, name, credits,departmentName)
departmentName → Departments.name

Prerequisites(course ,prerequisiteCourse)
prerequisiteCourse → Courses.code
course→ Courses.code

LimitedCourses(code, capacity)
code → Courses.code

StudentBranches(student, branch, programName)
student → Students.idnr
(branch, programName) → Branches.(name, programName)
(student,programName) →Students.(idnr,ProgramName)

Classifications(name)

Classified(course, classification)
course → courses.code
classification → Classifications.name

MandatoryProgram(course, programName)
programName → Programs.name
course → Courses.code

MandatoryBranch(course, branch, programNameBranch)

course → Courses.code

(branch,programNameBranch) → Branches.(name,programName)

RecommendedBranch(course, branch, programNameBranch)

course → Courses.code

(branch, programNameBranch) → Branches.(name, programName)

Registered(student, course)

student → Students.idnr

course → Courses.code

Taken(student, course, grade)

student → Students.idnr

course → Courses.code

-- position is either a SERIAL, a TIMESTAMP or the actual position

WaitingList(student, courseLimited, position)

student → Students.idnr

courseLimited → Limitedcourses.code

(courseLimited,position) unique

(courseLimited,student) unique