

ER-schema

Departments(name , abbreviation)

Programs(name , abbreviation)

ProgramDepartments(dname , pname)

 dname → Departments.name

 pname → Programs.name

Students(idnr , name, login, program)

 program → Program.name

Branches(name , program)

 program → Program.name

Courses(code , name, credit, department)

 department → Departments.name

Prerequisite(course , requiredcourse)

 course → Course.code

 requiredcourse → Course.code

LimitedCourses(course , capacity)

 course → Courses.code

StudentBranches(student , branch, program)

 student → Students.idnr

 (branch, program) → Branches.(name, program)

Classification(name)

Classified(course , classification)

 course → Courses.code

 classification → Classification.name

MandatoryProgram(course , program)

 course → Courses.code

 program → Programs.name

MandatoryBranch(course , branch , program)

course → Courses.code

(branch, program) → (Branches.name, program)

RecommendedBranch(course , branch , program)

course → Courses.code

(branch, program) → (Branches.name, program)

Registered(student , course)

student → Students.idnr

course → Courses.code

Taken(student , course , grade)

student → Students.idnr

course → Courses.code

WaitingList(student , course , position)

student → Students.idnr

course → LimitedCourses.course