Step 1 - Entity Identification

1. Feeder
2. programs
3. courses_programs
4. student_info
5. courses
6. grades

Step 2 - Relationships

Programs ———— Courses_programs ———— Courses
                                        |
                                        |
Feeder ———— student_info ———— Grades

Step 3 - Cardinality

programs +———————< Courses_programs >———+ Courses
                                              |
                                              �
Feeder +———————< student_info +———————< grades

Step 4 - Attributes

Entity	Ea Primary key	foreign key	Attributes
programs	program_id		program_code, program_name, degree_type
courses_programs	co_pro	program_id course_id	
courses	course_id		course_code, course_title, course_credits
grades	grade_id	student_id course_id	semester, course_grade, course_points
student_info	student_id	feeder_id	gender, ethnicity, city, district, program_start, program_status, programEnd, grad_date
Feeder	feeder_id		school_name, management, urban-rural, municipality, funding, district.

Step 5 - ER Diagram

programs
program_id P.k
program_code
program_name
degree_type

courses
course_id Pk
course_code
course_title
course_credits

courses - programs
co_pro   P.k
program_id
course_id

grades
grade_id P.k
semester
course_grade
course_points
student_id
course_id

student-info
student_id P.k
gender
ethnicity
city
district
program_start
program_End
grad_date
feeder_id
program_status

Feeder
feeder_id   P.k
school_name
management
urban_rural
municipality
funding
district