Schema

Assumptions:

- Background is the professors teaching i.e. software, math, English, etc.
- Classes can in fact exist if there are no students or professors as it is its own entity
- The previous_classes attribute stores classes that students have taken, including grades
- Any entity with more than one underlined attribute has a compound primary key

Student					
Student_number	Email	Name	Program	CGPA	Required_classes

Takes						
Required_classes	Current_classes	Previous_classes	Title	Id	Student_number	Email

Classes						
Title	Id	Grades	Prerequisites	Required_classes	Prof_id	Email

Professor					
Prof_id	Email	Name	Background	Title	Id

Foreign Keys:

Table attribute -> *table* attribute

Student Required_classes -> *Takes* Required_classes

Takes Student_number -> *Student* Student_number
Takes Email -> *Student* Email
Takes Title -> *Classes* Title
Takes Id -> *Classes* Id

Classes Required_classes -> *Takes* Required_classes
Classes Prof_id -> *Professor* Prof_id
Classes Email -> *Professor* Email

Professor Id -> *Classes* Id
Professor Title -> *Classes* Title