







## Relationship Descriptions

Tenghoit

degrees - degree\_requirements

- The relationship of degrees with degree\_requirements establishes what course requirements a particular degree has. Each degree should have at least one course requirement.

degree\_requirements - courses

- The relationship of degrees\_requirements with courses establishes the different degrees that had a course as a requirement. Each course can be a requirement for many different degrees or none at all.

courses - course\_prerequisites

- The relationship of courses and course\_prerequisites establishes what courses are needed to take another course. Each course can have zero or many course prerequisites.

buildings - locations

- The relationship of buildings with locations establishes what building a location is located in. Each location must be in a building, but a building can have many locations.

Nathan

Terms - class

- The relationship between classes and terms establishes what time periods certain classes are offered and helps keep track of a student's record. Every class must have 1 term.

Class - meeting\_time

- The relationship between classes and meeting\_times establishes the time the class takes place and helps us manage conflicts between classes. Every class must have at least one meeting time but may have more.

Professor - Office\_meeting\_time

- The relationship between professors and office meeting times establishes office hours when professors can meet outside of class. Professors can have any amount of office hours or none if they so please.

Course - Class

- The relationship between courses and classes establishes how many classes on the specific course are happening as well as the needed specifics of each individual class. Each course must have at least one class.

Cole

#### Locations - Class

- The relationship between locations and classes establishes which room of which building a class will be held in. Each class must have one and only one room they meet in, while one room may hold many classes but need not hold any.

#### Student - Student Class History

- The relationship between students and student class history establishes which student has taken/ is taking a class. A student need not have any class history (if they just enrolled), but they will likely have several as they progress. An entry in a student's class history must have a student and only one student.

#### Class - Student Class History

- The relationship between classes and student class history establishes which class a student has taken/ is taking. A class need not have any students with it in their history (if it is a new class), but it will likely have many. An entry in a student's class history must have a class and only one class.

#### Professor ID - Class

- The relationship between professors and classes establishes which professor will be teaching a specific class section. A professor does not have to teach any classes, but will likely teach several. A class must have one professor and only one professor.