



### Course Relationships

The Course Relationships screen is used to set up relationships to fill specific requirements that must be met when building a master schedule and loading students into that schedule. The relationship screen asks for up to three pieces of data:

1. The associated course you want to relate to
2. The Relationship Type
3. The Relationship Code – you only use this one when the Relationship type is “Is Blocked For Building With”.

These requirements might include the following:

1. One teacher teaches two subjects at the same time. (Either Block Combine or Block Simultaneous with a Concurrent)
2. There is a 2 semester course sequence for the students and the students must stay with the same students on the same period on both semesters with the same teacher. (Block Term)
3. Students are taking 2 courses during the same term and the school wants the students to travel together through both sections. (Block Section)
4. Two courses need to be built on opposite days during the same period. (Block Opposite Days)
5. Students have signed up for 2 courses that must be taken in sequence and offerings of both classes are running during both terms. Not all students sign up for both classes but those that do cannot get them in the wrong order. (Prereq)
6. Students sign up for 2 courses that must be taken in the same semester, but not in the same period. (Coreq)
7. Students sign up for 2 courses that cannot be in the same term but it does not matter which comes first. (Not Coreq)
8. Two courses must run back to back in the day, meaning consecutive periods. (Block Before or After)

Relationship Type	Relationship Code	Purpose	Used by Build	Used by Load
Is Blocked for Building With	Simultaneous	Two courses <u>must</u> be taught at the same time; can be two different teachers; can be a different number of sections	Yes	No
	Combine Into	Two courses taught at the same time with the same teacher; course setup on both courses must be identical	Yes	No
	Before or After	The related course must be scheduled the period either before or after the current course in the same term	Yes	No
	Before	The related course must be scheduled the period before the current course in the same term. The course selected in the Course Number field must be scheduled after the current course.	Yes	No
	After	The related course must be scheduled the period after the current course in the same term. The course selected in the Course Number field must be scheduled before the current course.	Yes	No
	Different Terms*	Two courses scheduled in same period, different terms, same students, same teacher for each section	Yes	Yes
	Opposite Days Section	Two courses scheduled in same period, opposite days	Yes	Yes
May be Built Concurrent With	N/A	Two courses taught by same teacher <u>can</u> be at the same time; use with a Block Simultaneous for 1 teacher who <u>must</u> teach two courses at one time (2 relationships)	Yes	No
Has a Load Coreq of	N/A	The related course must appear in the same term in the student's schedule as the course where you are putting the relationship	No	Yes
Has a Load Postreq of	N/A	The related course in the Course Number field must appear in a subsequent term in the student's schedule	No	Yes
Has a Load Prereq of	N/A	The related course in the Course Number field must appear in a prior term in the student's schedule	No	Yes
Must not Load Coreq with	N/A	The related course in the Course Number field must not appear in the same term in a student's schedule	No	Yes
Must Load Distinct (no term overlap) with	N/A	The related course in the Course Number field must not appear in any overlapping term in a student's schedule	No	Yes
Must Load the Term After	N/A	The related course in the Course Number field must appear in the next term in the student's schedule (Q1,Q2) (Q2,Q3) (T1,T2), etc.	No	Yes
Must Load the Term Before	N/A	The related course in the Course Number field must appear in the term before in a student's schedule	No	Yes

\* The section links created by this relationship require additional modification to function as expected. See [Fixing Block for Building With - Different Terms Section Links](#) for guidance.