Course alignment between community colleges and Regents’ institutions

The course matrix at

http://www.math.iastate.edu/CourseMatrix/CourseMatrix.html

shows:

• The community colleges in the top row, i.e. each column corresponds to a community college, each row to a common mathematics course
• The common course numbers for mathematics courses as used by all Iowa community colleges in Column 3
• The (old) number of the corresponding course at each community college in Columns 5 through 19 of each row
• Hence each row from Column 5 through Column 19 shows the ‘equivalent’ courses at the community colleges
• The entries in Column 20 are mathematics courses at Iowa State that are declared to be ‘equivalent’ to the community college courses listed in the corresponding row. These ‘equivalences’ are the consequence of individual articulation agreements between Iowa State and Iowa’s community colleges.
• Entries like ‘100Z’, ‘1T**’, and ‘2T**’ point at courses that can be transferred to Iowa State to satisfy general requirements, but not specific course requirements.
• Comments in Column 21 note exceptions from ‘equivalences’ between CC courses and ISU courses. E.g. in Row 5 (course number 052) the courses in Columns 5 through 19 are ‘equivalent’ according to the agreement between community colleges, but only the courses at IVCCD and KCC are equivalent to Math10 at ISU according to articulation agreements.
• Each entry for a mathematics course at Iowa State in Column 20 shows details for this course upon ‘click’:
  - Objectives, Competencies & Outcomes
  - Syllabus
  - Sample Exams & Grading Examples
  - Use of Technology
  - Online Homework
  - Departmental Flowchart of Courses
• This detail information shows what students can expect from the corresponding course at Iowa State. This information may also be useful for high school teachers and their students.
• Community college mathematics courses not listed in this matrix do not transfer to Iowa State.