

2007-2008 Department Action Plan

Planning Sheet FORM B

Department/Unit: Math and Science

Responsibility:

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Dept. Improvement:

Develop 50-60 two year plans of study for STEM majors transferring to area colleges and universities. Identify a process for formally articulating the programs. (3.1)
X Internal KCC Standard

Progress Report:

- Database Development
 - Sixty nine programs have been created
 - All programs are now in an Excel database and can be accessed via dropdown menus
 - A request for the development of an on-line database has been accepted by the IT Department. They expect to be able to develop the online database by October.
- Articulation
 - Iowa State University took the lead in reviewing our proposed plans and has developed and approved language that indicates the programs are appropriate for the student's major.
 - Two private colleges (Coe and Mount Mercy) have adopted the same language as the Iowa State language.
- Individual Course Articulation
 - Course materials (syllabi & course documents) have been sent to Iowa State for all computer science courses. We have yet to hear back from them on their status. The courses have been unofficially articulated for years.
 - Two courses in the math sequence now have a direct articulation: MAT-102 Intermediate Algebra will transfer as 22M:2 to the University of Iowa. MAT-138 College Algebra with Limits will transfer as 22M:13 Math for Business, which satisfies QFR.
- Problem Areas:
 - General Biology I & II courses do not articulate to the University of Iowa. Kirkwood is not alone, since they accept no CC biology classes. If students transfer with an A or a B, their Principles of Biology will be waived.
 - Articulating any of the programs with the University of Iowa has proven to be problematic, and may never happen.

Row Labels	Coe	Cornell	ISU	Kirkwood	Mt. Mercy	St. Ambrose	UI	UNI	Upper Iowa
Ag Transfer									
Ag Transfer-AS			X	X					
Biology									
Biology - BA					X			X	X
Biology - BS	X	X					X	X	
Biology - BS - AG			X						
Biology - BS - LAS			X						
Microbiology - BS			X						
Molecular - BS	X								
Biotechnology									
BioInfo - AS								X	
Biotech - AAS				X					
Biotech-AS								X	
Chemistry									
Chemistry - BA	X	X					X		X
Chemistry - BS	X		X				X	X	
Computer Science									
Com. Sci - BS			X		X		X	X	
Engineering									
Aerospace			X						
Agriculture			X						
Biomedical							X		
Chemical			X				X		
Civil			X				X		
Civil-Environmental			X						
Computer			X				X		
Construction			X						
Electrical			X				X		
Electrical Information							X		
Industrial			X				X		
Materials			X						
Mechanical			X				X		
Env. Science									
Ecology - BA								X	
Env. Sci. - BS	X		X				X		
Mathematics									
Math Education							X	X	
Mathematics - BA	X				X				
Mathematics - BS			X						
Physical Education									
Physical Education			X						
Physics									
Physics - BA	X	X							
Physics - BS			X				X		
Preprofessional									
Pre-BSN	X						X		
Pre-Dental							X		
Pre-Medicine							X		
Pre-Occ. Therapy						X			
Pre-Pharmacy							X		
Pre-Physical Therapy							X		
Pre-Veterinary Sci.			X						