Planning and Evaluation Tracking

College Year: **2007-2008**

Division of: Sciences and Engineering **Person Responsible: Jack Stanley**

Department of: Mathematics and Engineering **Person Responsible: Kathryn Wetzel**

Purpose Statement: The Mathematics and Engineering Department supports the goals of the Science and Engineering Division by providing Educational opportunities for improvement in foundational mathematics skills and for success in transfer-level math and engineering courses required in a broad spectrum of technical fields and advanced degrees.

Goal Statements	**Objectives/Outcomes** (including assessment tools and standards)	**Results**	**Use of Results** (including improvements and revisions)
1. Prepare developmental students for transfer level mathematics and engineering students or successful completion of math requirement.	1. a. Upon successful completion of Math 0302 with a grade of A-C at least 60% of developmental students will score a minimum of 63 on the Accuplacer Test. 1.b. Upon successful completion of Math 0303 with a grade of A-C at least 60% of students will perform as well or better in College Algebra or Contemporary Math as students that are directly placed into either of these two classes.	1.	1.

2. Provide courses encompassing required math skills/knowledge to enable students to transfer and/or complete a degree or certificate program.	2. 50% of students in college algebra taking a chapter test covering one of the topics identified by the faculty for assessment (solving a quadratic equation using the quadratic formula, finding the domain of a function, solving an exponential equation, solving a logarithmic equation, and analyzing a rational function) will score at an acceptable level as evaluated by the faculty using an approved rubric.	2.	2.
3. Provide opportunities to students to analyze problems and apply mathematical principles to solve and effectively communicate results.	3. Upon completion of Math 1316, 60% of students taking a comprehensive final will successfully solve a word problem as evaluated by the faculty based on a predetermined rubric.	3.	3.