Course to Program Mapping Template

Program name_____Mechanical Design Technology_____ Division _____ASET_____ Date_____

Catalog year _____2015-2016_____ Completed by___D. Kerste

Program-Level Student Learning Outcomes	Course # MDTC 160	Course # MDTC 161	Course # MDTC 152	Course # MDTC 226	Course # MDTC 228	Course # MDTC 232	Course # MDTC 242
Effectively communicate technical ideas and problem solving decisions with others.	-	K	AP	AP	AP	AN	E
Demonstrate knowledge, techniques, skills, and use of the appropriate tool in mechanical design applications.	K	C	AP	AP	AP	AN	E
Apply math, science, and engineering technology principles to solve problems in mechanical design.	K	C	AP	AP	AP	AN	S
Use creativity in the design of mechanical components and systems.	-	-	AP	AP	AP	AN	S
Recognize problems in mechanical design applications and develop appropriate solutions.	-	-	AP	AP	AP	AN	E
Work productively as an individual and as a team member of a problem solving team in an engineering environment.	K	C	AP	AP	AP	AP	AP
Recognize the need to stay current in the mechanical design career field.	K	K	C	C	C	C	C
Demonstrate professional and ethical behavior.	AP	AP	AP	AP	AP	AP	AP

Use the following codes, based on Bloom's taxonomy, under each course number as appropriate: K=Knowledge level; C= Comprehension level; Ap= Application level; An=Analysis or above

*All core courses within the program should be included in the Program map.