MECHANICAL ENGINEERING - UW-Platteville/UW-Fox Valley Equivalent Checklist

Effective Fall 2011

Name: _____ Date: _____

Student ID: _____

General Education Requirements – Associate Degree

Core Requirements:

___ 3 English 102 (Grade C or better) _____
___ 3 Math 108 or 110 (Grade C or better) _____

Breadth Requirements:

GR CR COURSE SEMESTER

Humanities/Fine Arts – Minimum of 9 credits (1 Humanities & 1 Fine Arts)

___ ___ FA _____ _____
___ ___ HU _____ _____
___ ___ HU or FA _____ _____

Math and Natural Science – Minimum of 11 credits (8 credits of NS in 2 disciplines with 1 LS)

___ ___ LS _____ _____
___ ___ NS/LS _____ _____
___ ___ NS/LS/MS _____ _____

Social Science – Minimum of 9 credits (2 disciplines)

___ ___ SS _____ _____
___ ___ SS _____ _____
___ ___ SS _____ _____

Application/Performance – Minimum of 3 credits

___ ___ AP _____ _____
___ ___ AP _____ _____
___ ___ AP _____ _____

Interdisciplinary Studies – Minimum of 3 credits (not included in credit total if counted in other breadth area)

___ ___ IS _____ _____

GR CR COURSE SEMESTER

Ethnic Studies – Minimum of 3 credits (not included in credit total if counted in other breadth area)

___ ___ ES _____ _____

Other Courses to reach 60 credits:

___ ___ _____ _____
___ ___ _____ _____
___ ___ _____ _____
___ ___ _____ _____
___ ___ _____ _____

_____
_____
_____
_____
_____
_____

Courses used to complete Breadth Requirements may also be used to complete Interdisciplinary or Ethnic Studies Requirements.

Associate Degree posted: _____

Students with a UW-Fox Valley Associate of Arts and Science Degree meet all UW-Platteville General Education requirements.

MECHANICAL ENGINEERING
UW-Platteville/UW-Fox Valley Equivalent Checklist cont'd.

Pre-Engineering

Mathematics -- 19 Credits

___ 5 ***MAT 221 (Math 2640), Calculus & Analytic Geom. I** _____
___ 5 ***MAT 222 (Math 2740), Calculus & Analytic Geom. II** _____
___ 3 **MAT 234 (Math 2840), Calculus & Analytic Geom. III** _____
___ 3 **MAT 271 (Math 3630), Differential Equations** _____
___ 3 **MAT 240 (Math 4030), Statistical Analysis** _____

Basic Sciences -- 15 Credits

___ 5 ***CHE 165 (Chem 1450), Chemistry for Engineers** _____
___ 5 ***PHY 201 (Phys 2240), General Physics I** _____
___ 5 **PHY 202 (Phys 2340), General Physics II** _____

Other Courses – 9 Credits

___ 3 ***EGR 105 (GE 1000 & GE 1030), Engr. Fundamentals** _____
___ 3 ***GRA 110♦ (GE 1320), Engr./Computer Graphics** _____
___ 3 **EGR 282 (GE 2820), Engineering Economics**_____

Engineering Sciences -- 13 Credits

___ 3 **MEC 201 (GE 2130), Statics** _____
___ 3 **MEC 202 (GE 2230), Dynamics** _____
___ 4 **MEC 203 (GE 2340), Strength of Materials** _____
___ 3 GE 2930, Applications of Electrical Engr. _____

* Core requirements that, along with ENG 101, must combine to meet a 2.6 CGPA for entry into Mechanical Engineering.

♦Additional tutorial in Solidworks is required before taking ME 3330.

Name _____

Professional Engineering -- 51 Credits

___ 3 ME 2630, Thermodynamics_____
___ 3 ME 3030, Dynamical Systems _____
___ 3 ME 3040, Engineering Materials _____
___ 3 ME 3230, Manufacturing Processes _____
___ 3 ME 3300, Fluid Dynamics _____
___ 3 ME 3330, Design of Machine Elements _____
___ 3 ME 3430, Intro to Comp Methods _____
___ 3 ME 3640, Heat Transfer _____
___ 3 ME 3720, Mechanical Systems Lab _____
___ 3 ME 3830, Mechanisms and Machines _____
___ 3 ME 4330, Automatic Controls_____
___ 3 ME 4720, Thermal Systems Lab _____
___ 3 ME 4730, Thermo-Fluid Systems Design _____
___ 3 ME 4930, Senior Design Project _____
___ 3 ME Technical Elective:_____
___ 3 ME Technical Elective: _____
___ 3 ME Technical Elective: _____

Note: Bolded classes are UW-Fox Valley courses that are equivalent to required UW-Platteville courses.

It is the responsibility of the student to be aware of all policies and degree requirements of both institutions as identified in the UW Colleges and UW-Platteville catalogs.