

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**General Education Requirements – Associate Degree**

Student ID: \_\_\_\_\_

**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:**

\_\_\_ \_\_\_ \_\_\_\_\_  
 \_\_\_ \_\_\_ \_\_\_\_\_  
 \_\_\_ \_\_\_ \_\_\_\_\_  
 \_\_\_ \_\_\_ \_\_\_\_\_  
 \_\_\_ \_\_\_ \_\_\_\_\_

\_\_\_\_\_  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

Associate Degree application submitted: \_\_\_\_\_

Waiver submitted: \_\_\_\_\_

***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 **Math Elective, MAT 262 (3230) or MAT 240 (4030)** \_\_\_\_\_

Basic Sciences -- 15 Credits

- \_\_\_ 5 \***CHE 165 (Chem 1450), Chemistry for Engineers** \_\_\_\_\_
- \_\_\_ 5 **PHY 201 (Phys 2530), General Physics I** \_\_\_\_\_  
**PHY 201 (Phys 2510) Lab**
- \_\_\_ 5 **PHY 202 (Phys 2640), General Physics II** \_\_\_\_\_  
**PHY 202 (Phys 2610) Lab**

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 combine to meet a 2.6 CGPA for entry into Mechanical Engineering.

Name \_\_\_\_\_

**Professional Engineering -- 49 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 \_\_\_\_\_
- \_\_\_ 2 ME 3630, Applied Thermodynamics \_\_\_\_\_
- \_\_\_ 3 ME 3640, Heat Transfer \_\_\_\_\_
- \_\_\_ 3 ME 3720, Mechanical Systems Lab \_\_\_\_\_
- \_\_\_ 2 ME 3730, Mechanical Systems Design \_\_\_\_\_
- \_\_\_ 2 ME 3830, Mechanisms and Machines \_\_\_\_\_
- \_\_\_ 3 ME 4330, Automatic Controls \_\_\_\_\_
- \_\_\_ 2 ME 4720, Thermal Systems Lab \_\_\_\_\_
- \_\_\_ 2 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.***