

Student Name: _____ Date: _____ Gen. Ed. Requirements: ___Met w/ Bachelor's___ ___Met w/Associate___ Will be met w/ Assoc.

Pre-Engineering: UW-Colleges/UW-PlattevilleMathematics (20 credits)

- ___ 5 MAT 221 Calculus & Analytic Geom I (Math 2640)
 ___ 5 MAT 222 Calculus & Analytic Geom II (Math 2740)
 ___ 4 MAT 223 or 234 Calculus & Analytic Geom III (Math 2840)
 ___ 3 MATH 3630 Differential Equations OR MAT 271 (Math 3630)
 ___ 3 MATH 4030 Statistical Analysis OR MAT 240 (Math 4030)

Basic Sciences (15-20 credits)

- ___ 5-10 CHE 165 Chemistry for Engineers (CHEM 1450)
 or CHE 145 and 155 Gen Chemistry I and II (CHEM 1140 & 1240)
 ___ 5 PHY 201 University Physics I (Phys 2240)
 ___ 5 PHY 202 University Physics II (Phys 2340)

Other Courses (13 credits)

- ___ 3 EGR 105 Engr Fundamentals (GE 1000 & GE 1030)
 ___ 4 EGR 110 & EGR 111 Engr Graphics (GE 2030)
 ___ 3 EGR 282 Engineering Economics (GE 2820 summer online)

Engineering Sciences (13 credits)

- ___ 3 **EGR 201 Statics (GE 2130)**
 ___ 3 EGR 202 Dynamics (GE 2230)
 ___ 4 EGR 203 Mechanics of Materials (GE 2340) – Lab req'd.
 ___ 3 GE 2930 Applications of Electrical Engineering

PLEASE NOTE THE FOLLOWING INFORMATION:

UW Colleges courses have three numbers.

UW-Platteville courses have four numbers.

An Associate of Arts & Sciences Degree from UW Colleges satisfies UW-Platteville's general education requirements.

All ME xxxx courses require a C- or better to progress to the next course.

Professional Engineering (48-50 Credits) (2.0 GPA minimum req'd)

- ___ 3 **ME 2630 Thermodynamics**
 ___ 3 ME 3030 Dynamical Systems
 ___ 3 ME 3040 Engineering Materials – Lab required
 ___ 3 ME 3230 Manufacturing Processes
 ___ 3 ME 3300 Fluid Dynamics
 ___ 3 ME 3330 Design of Machine Elements
 ___ 3 ME 3430 Intro to Computational Methods
 ___ 3 ME 3640 Heat Transfer
 ___ 3 ME 3720 Mechanical Systems Lab – Lab required
 ___ 3 ME 3830 Mechanisms and Machines
 ___ 3 *ME 4330 Automatic Controls – Lab required
 ___ 2 *ME 4720 Thermal Systems Lab – Lab required
 ___ 3 *ME 4730 Thermo-Fluid Systems Design
 ___ 3 *ME 4930 Senior Design Project
 ___ 3 *ME 4xxx Technical Elective: _____
 ___ 3 *ME 4xxx Technical Elective: _____
 ___ 1-3 Choose one of the following:
 ME 3950: Mechanical Engineering Cooperative
 ME 3970 Mechanical Engineering Internship
 *ME 4xxx Technical Elective
 *ME 4940 Undergraduate Research

Boldface indicates course must be passed with a **C- or better** to matriculate into the Mechanical Engineering major. As of Fall 2018, students must have completed at least **12 credits through UW-Platteville** and earned a **2.5 Cumulative GPA** to matriculate out of General Engineering and into the Mechanical Engineering Program.

Asterisk (*) indicates you must have matriculated into the Mechanical Engineering major to take this course.

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UW COLLEGES Associate of Arts and Science Degree - General Education Requirements

- At least 36 of the 60 credits must be completed within the UW Colleges system, or, at least 12 of the last 24 must be earned within the UW Colleges system.
- Minimum of 60 credits required. Cumulative 2.0 GPA required.

Core Requirements: Grade of C or better or exemption from the following:

___ 3 English 102

___ 3 Math 108 or 110

Breadth Categories:

Note: Courses used to complete Breadth Requirements may also be used to satisfy Interdisciplinary or Ethnic Studies requirements.

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

___ 3 FA _____

___ 3 HU _____

___ 3 HU or FA _____

Math and Natural Science – Minimum of 11 credits (8 credits of NS in 2 disciplines including one lab course)

Note: The math, chemistry, and physics listed on the other side of this sheet will satisfy this category.

___ ___ LS _____

___ ___ NS/LS _____

___ ___ NS/LS/MS _____

Social Science – Minimum of 9 credits (From at least 2 disciplines)

___ ___ SS _____

___ ___ SS _____

___ ___ SS _____

Application/Performance – Minimum of 3 credits

Note: EGR 105 satisfies AP & IS requirements.

___ ___ AP _____

___ ___ AP _____

___ ___ AP _____

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

Note: EGR 105 satisfies IS & AP requirements.

___ ___ IS _____

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

___ ___ ES _____

Electives: A student who has met the Core Requirements & other Breadth Category minimums may complete the 60 credit requirement with Elective courses.

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Total Credits Earned = _____ (60 required)

Associate Degree application submitted: _____

Waiver submitted: _____