

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

Effective Fall 2009

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) _____

GR CR COURSE SEMESTER

Breadth Requirements:

GR CR COURSE SEMESTER

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

___ ___ ES _____

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

- ___ ___ FA _____
- ___ ___ HU PHI 237 _____
- ___ ___ HU or FA _____

Other Courses to reach 60 credits:

- ___ ___ _____
- ___ ___ _____
- ___ ___ _____
- ___ ___ _____
- ___ ___ _____

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 _____

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

Application/Performance – Minimum of 3 credits

- ___ ___ AP _____
- ___ ___ AP _____
- ___ ___ AP _____

Associate Degree application submitted: _____

Waiver submitted: _____

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

- ___ ___ IS _____

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

ELECTRICAL 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 -- 19 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
- ___ 3 **PHY 205 (Phys 3140) Modern Physics** _____

Other Courses -- 9 Credits

- ___ 3 ***EGR 105 (GE 1000 & GE 1030), Engr. Fundamentals** _____
- ___ 4 **CPS 216 (COSC 1430)** _____
- ___ 3 **EGR 282 (GE 2820), Engineering Economics** _____

Engineering Sciences -- 6 Credits

- ___ 3 **MEC 201 (GE 2130), Statics** _____
- ___ 3 **MEC 202 (GE 2230), Dynamics** _____ *OR*
- ___ 4 **MEC 203 (GE 2340), Strength of Materials** _____

Note: Bolded classes are UW-Fox Valley courses that are equivalent to required UW-Platteville courses. Students with a UW-Fox Valley Associate of Arts and Science Degree meet all UW-Platteville General Education requirements.

* Core requirements that combine to meet a 2.3 CGPA for entry into Electrical Engineering.

Name: _____

Professional Engineering -- Required Courses- 26 Credits

- ___ 3 EE 1210, Circuit Modeling I _____
- ___ 4 EE 2210, Circuit Modeling II _____
- ___ 4 EE 2220, Signals and Systems _____
- ___ 4 EE 3020, Analog Electronics _____
- ___ 4 EE 3140, Electric & Magnetic Fields _____
- ___ 3 EE 3310, Automatic Controls _____
- ___ 4 EE 3770, Logic and Digital Design _____

Electrical Engineering -- Professional Emphasis Courses -- 24 credits

Each student shall complete a total of 24 credits from the list below, as follows: (1) At least one *emphasis*, consisting of one of EE 4050, EE 4450, or EE 4750 from the chosen emphasis and at least 4 more credits at the 4000 level from that emphasis area; (2) At least 2 of the following courses: EE 4050, EE 4350, EE 4450, or EE 4750.

Computers

- ___ 4 EE 3130, Solid State Electronics _____
- ___ 4 EE 3780, Introduction to Microprocessors _____
- ___ 4 EE 4720, Microcomputer Architecture & Interfacing _____
- ___ 4* EE 4750, Advanced Digital Design _____
- ___ EE 4980, Current Topics in EE _____

Controls

- ___ 4 EE 3410, Electric Power Engineering _____
- ___ 4 EE 3780, Introduction to Microprocessors _____
- ___ 4 EE 4310, Modern Control Systems _____
- ___ 4 EE 4320, Digital Signal Processing _____
- ___ 4* EE 4350, Discrete Time Control Systems _____
- ___ EE 4980, Current Topics in EE _____

Advising Date & Initial _____

Advising Date & Initial _____

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.