

# ELECTRICAL ENGINEERING CHECKLIST

## MAJOR: EE (B.S.):

NAME: _____
E# _____ Catalog Yr _____
Advisor _____ Yr Graduate _____
Home Address/Phone _____
Local Address/Phone _____

### Major Requirements (79 sem hrs)

	Grade	Sem Taken	
EEN 1001 .....	____/____	_____	..... (1SH; S).....Intro to Physics & Engineering
EEN 1100 .....	____/____	_____	.....(3 SH; S) .....Intro to Logic Design
EEN 1101 .....	____/____	_____	.....(1 SH; S) .....Intro to Logic Design Lab
EEN 3150 .....	____/____	_____	.....(4 SH; F) .....Electronics
EEN 3270.....	____/____	_____	.....(4 SH; S) .....Intro to Circuit Analysis
EEN 4301 .....	____/____	_____	.....(4 SH; F even) ...Digital Systems and Design
EEN 4401 .....	____/____	_____	.....(3 SH; S odd) ....Signals and Systems
EEN 4501 .....	____/____	_____	.....(4 SH; S even) ...Feedback and Control Systems
EEN 4601 .....	____/____	_____	.....(3 SH; F odd) ....Semiconductor Device Physics
EEN 4701 .....	____/____	_____	.....(3 SH; S) .....Senior Design
CHM 1310G.....	____/____	_____	.....(3 SH; F, S) .....General Chemistry I
CHM 1315G.....	____/____	_____	.....(1 SH: F, S) .....General Chemistry Lab I
CSM 2170 .....	____/____	_____	.....(4 SH; F, S) .....Computer Science I
MAT 1441G (1440G)...	____/____	_____	.....(5(4) SH; F, S)...Calculus I
MAT 2442.....	____/____	_____	.....(5 SH; F, S) .....Calculus II
MAT 2443.....	____/____	_____	.....(4 SH; F, S) .....Calculus III
MAT 2550.....	____/____	_____	.....(3 SH; F, S) .....Introduction to Linear Algebra
MAT 3501.....	____/____	_____	.....(3 SH; S) .....Differential Equations I
MAT 3701.....	____/____	_____	.....(3 SH; F) .....Probability and Statistics I
PHY 1351G (1391G) ..	____/____	_____	.....(3 SH; F) .....General Physics I
PHY 1352G (1392G) ...	____/____	_____	.....(1 SH; F) .....General Physics Lab I
PHY 1361 .....	____/____	_____	.....(3 SH; S) .....General Physics II
PHY 1362 .....	____/____	_____	.....(1 SH; S) .....General Physics Lab II
PHY 1371 .....	____/____	_____	.....(3 SH; F) .....General Physics III
PHY 1372 .....	____/____	_____	.....(1 SH; F) .....General Physics Lab III
PHY 3410.....	____/____	_____	.....(3 SH; F even) ...Electricity & Magnetism I

### Electives (3-4 semester hours)

EEN 4275.....	____/____	_____	.....(1-2 SH; On Demand)...Internship in EE
EEN 4780.....	____/____	_____	..... (3 SH; S odd).....Intro to Plasma Physics
CSM 2670 .....	____/____	_____	.....(4 SH; F, S) .....Object Oriented Programming
CSM 3670 .....	____/____	_____	.....(3 SH; F) .....Principles of Computer Systems
PHY 3420.....	____/____	_____	.....(4 SH; S odd) ....Electricity & Magnetism II
PHY 4320.....	____/____	_____	..... (4 SH; S even) ..Computational Physics
PHY 4470.....	____/____	_____	..... (4 SH; F even) ..Optics

Note: EEN 4275, Internship in Electrical Engineering is strongly encouraged for professional growth and experience as well as corporate networking.

## Graduation Requirements

- |                               |   |
|-------------------------------|---|
| _____ 120 Semester hours (SH) | _____ 42 SH in residence at EIU                       |
| _____ 2.00 Cumulative GPA     | _____ 32 SH Junior-Senior Residency                   |
| _____ 2.00 Major GPA          | _____ 12 SH senior residency                          |
|                               | _____ 56 SH at senior institution (Transfer students) |
- \_\_\_\_\_ 40 SH of upper division courses (3000-4000)  
\_\_\_\_\_ Senior Seminar (after completion of 75 hours)  
\_\_\_\_\_ Cultural Diversity (designated with an \* in catalog)  
\_\_\_\_\_ Application for degree. (Apply for graduation after 60 SH)

## Electronic Writing Portfolio

Information about the Electronic Writing Portfolio is available at <http://www.eiu.edu/~assess/ewpmain.php>.

**Foreign Language** (0-8 SH) Exempt? Yes / No  
Exemption? Two years in a single foreign language  
in high school with an average grade of C or better.

Course	Sem Hrs	Grade	Sem Taken
_____	_____	_____	_____
_____	_____	_____	_____

## **Senior Seminar (3 semester hours)**

Taken after student has completed 75 hours.

Course	Sem Hrs	Grade	Sem Taken
_____	_____	_____	_____

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## General Education Requirements

A student transferring to Eastern Illinois University who has received an Associate in Art (AA), an Associate in Science (AS) or an Associate in Science and Arts (ASA) degree from an Illinois public community college, Lincoln College, or Springfield College in Illinois, is considered as having:

- Junior status
- A minimum of 60 semester hours of transfer credit accepted
- The cultural diversity, and the constitution requirements automatically waived
- Lower division general education requirements met

All students will still have to complete [Eastern's graduation requirements](#)

## **Humanities & Fine Arts (9 semester hours)**

Student must successfully complete at least one course from humanities and one from fine arts, from at least two different disciplines.

Course	Sem Hrs	Grade	Sem Taken
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**We highly recommend that you log into PAWS and do a DegreeWorks audit to help determine what classes are needed for graduation!**

## **Mathematics (3 semester hours)**

MAT 1441G \_\_\_\_\_ / \_\_\_\_\_ 5 SH \_\_\_\_\_ / \_\_\_\_\_

## **Language (9 semester hours)** *Grade of C or better*

	Grade	Sem Taken
ENG 1001G (1091G) 3 SH	_____	_____
ENG 1002G (1092G) 3 SH	_____	_____
CMN 1310G (1391G) 3 SH	_____	_____

## **Scientific Awareness (7 semester hours)**

Only need to take a Biological Science course the rest is fulfilled by the major.

Course	Sem Hrs	Grade	Sem Taken
PHY 1351G / _____	3 SH	_____	_____
PHY 1352G / _____	1 SH	_____	_____
BIO _____	_____	_____	_____

## **Social & Behavioral Sciences (9 sem. hrs.)**

Courses must be selected from two different disciplines.

Course	Sem Hrs	Grade	Sem Taken
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____