

ELECTRICAL ENGINEERING CHECKLIST

MAJOR: EE (B.S.):

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

Major Requirements (93 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 3415.....	_____ / _____	(4 SH; F even)...Electricity & Magnetism I w/lab
EEN 4301	_____ / _____	(4 SH; F even)...Digital Systems and Design
EEN 4330	_____ / _____	(4 SH; S odd) ...Embedded Systems
EEN 4401	_____ / _____	(3 SH; F 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
BIO 1500.....	_____ / _____	(4 SH; F, S) .....General Biology I
Or both Chemistry Courses:			
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	_____ / _____	(5 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

Electives (3-4 semester hours)

EEN 4150.....	_____ / _____	.....	(1 SH; On Demand)...Mentored Research in EE
EEN 4275.....	_____ / _____	.....	(1-2 SH; On Demand)...Internship in EE
EEN 4430 .....	_____ / _____	.....	(3 SH; S even)...Communications Theory & Systems
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

Graduation Requirements

- _____ 120 Semester hours (SH)
- _____ 2.00 Cumulative GPA
- _____ 2.00 Major GPA
- _____ 42 SH in residence at EIU
- _____ 32 SH Junior-Senior Residency
- _____ 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
_____	_____	_____	_____

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 1500 _____	_____	_____	_____
Or BIO _____	_____	_____	_____

Social & Behavioral Sciences (9 sem. hrs.)

Courses must be selected from two different disciplines.

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