

PHYSICS CHECKLIST

MAJOR: PHYSICS (B.S.):

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

Major Requirements (75 sem hrs)

	Grade	Sem Taken	
PHY 1001.....	_____ / _____	_____	..... (1SH; S).....Intro to Physics & Engineering
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 2450.....	_____ / _____	_____	.....(3 SH; S) .....Classical Dynamics
PHY 3150 .....	_____ / _____	_____	.....(4 SH; F) .....Electronics
PHY 3415.....	_____ / _____	_____	.....(4 SH; F even) ...Electricity & Magnetism I w/lab
PHY 3420.....	_____ / _____	_____	.....(4 SH; S odd) ...Electricity & Magnetism II
PHY 4000.....	_____ / _____	_____	.....(1 SH; F odd) ...Seminar in Physics
PHY 4601.....	_____ / _____	_____	.....(1 SH; F, S) .....Research in Physics
PHY 4711 .....	_____ / _____	_____	.....(1 SH; F, S) .....Experimental Physics – I
PHY 4712 .....	_____ / _____	_____	.....(1 SH; F, S) .....Experimental Physics II
PHY 4713.....	_____ / _____	_____	.....(1 SH; F, S) .....Experimental Physics III
PHY 4750.....	_____ / _____	_____	.....(3 SH; F odd) ...Thermodynamics & Statistical Mech.
PHY 4855 (4850) .....	_____ / _____	_____	.....(3 SH; F odd) ...Quantum Mechanics
PHY 4865 (4860) .....	_____ / _____	_____	.....(3 SH; S even) ..Advanced Quantum Mechanics
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

Select one of the following 4 courses:

EGT 3103.....	_____ / _____	_____	.....(3 SH; On Demand)...Robots and Control Systems
BUS 3010.....	_____ / _____	_____	.....(3 SH; F, S) .....Organizational Behavior
ENG 3005 .....	_____ / _____	_____	.....(3 SH; On Demand)...Technical Communications
GEO 3430 .....	_____ / _____	_____	.....(3 SH; F) .....Structural Geology

Electives (3 semester hours)

PHY 3350.....	_____ / _____	_____	.....(3 SH; On Demand)...Solid State
PHY 4100.....	_____ / _____	_____	..... (3 SH; S odd).....Astrophysics
PHY 4320.....	_____ / _____	_____	..... (4 SH; S even) ..Computational Physics
PHY 4444.....	_____ / _____	_____	.....(3 SH) .....Honors Independent Study A
PHY 4470.....	_____ / _____	_____	..... (4 SH; F even) ..Optics
PHY 4555.....	_____ / _____	_____	.....(3 SH).....Honors Research
PHY 4780.....	_____ / _____	_____	.....(3 SH; S odd) ....Introduction to Plasma Physics
PHY 4800*.....	_____ / _____	_____	.....(1-6 SH) .....Advanced Independent Study

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
_____	_____	_____	_____

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)

This requirement is met with major requirements

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
_____	_____	_____	_____

Social & Behavioral Sciences (9 sem. hrs.)

Courses must be selected from two different disciplines.

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