

PHYSICS CHECKLIST

MAJOR: PHYSICS (B.S.): Radiation Physics Option

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

Major Requirements (46 – 52 semester hours)

	Grade	Sem Taken	
PHY 1151G (1351G) ...	____/____	(3 SH; F,S) .....Principles of Physics I
PHY 1152G (1352G) ...	____/____	(1 SH; F,S) .....Principles of Physics I Lab
PHY 1161 (1361).....	____/____	(3 SH; F,S) .....Principles of Physics II
PHY 1162 (1362).....	____/____	(1 SH; F,S) .....Principles of Physics Lab II
PHY (1371)*.....	____/____	(3 SH; F,S) .....General Physics III
PHY (1372)*.....	____/____	(1 SH; F,S) .....General Physics Lab III
PHY 3001.....	____/____	(3 SH; F even) ...Laser Safety Methods
PHY 3002.....	____/____	(3 SH; S odd) ...Introduction to Health Physics
PHY 3150	____/____	(4 SH; F) .....Electronics
PHY 4000.....	____/____	(1 SH; F,S) .....Seminar
PHY 4711	____/____	(1 SH; F,S) .....Experimental Lab- Radiation Lab I
PHY 4712	____/____	(1 SH; F,S) .....Experimental Lab- Radiation Lab II
PHY 4713	____/____	(1 SH; F,S) .....Experimental Lab- Laser Lab
CHM 1310G.....	____/____	(3 SH; F,S) .....General Chemistry I
CHM 1315G.....	____/____	(1 SH; F,S) .....General Chemistry Lab I
CHM 1410	____/____	(3 SH; F,S) .....General Chemistry II
CHM 1415	____/____	(1 SH; F,S) .....General Chemistry Lab II
CHM 2730	____/____	(3 SH; F) .....Quantitative Analysis
GEL/ESC 3010G	____/____	(3 SH; F,S) .....Environmental Physical Science
GEL 4335.....	____/____	(3 SH; S).....Environmental Geology
MAT 1441G (2110G) ..	____/____	(5(3) SH; F,S)....Calculus I
MAT 2170.....	____/____	(4 SH; F,S) .....Computer Science I

Electives (5 semester hours)

PHY 3080.....	____/____	.....	(3 SH; S) .....Modern Physics I
PHY 4010.....	____/____	.....	(1 SH; F,S) .....Seminar
PHY 4600.....	____/____	.....	(1-3 SH) .....Research in Physics
PHY 4800.....	____/____	.....	(1-6 SH) .....Independent Study
BIO 3120.....	____/____	.....	(4 SH).....Molecular and Cell Biology
CHM 2430 .....	____/____	.....	(3 SH; F,S) .....Survey of Organic Chemistry
CHM 2435 .....	____/____	.....	(1 SH; F,S) .....Survey of Organic Chemistry Lab
CHM 3450 .....	____/____	.....	(3 SH; F) .....Biochemistry I
FCS 4820 .....	____/____	.....	(3 SH; F,S) .....Death and Dying
MAT 2250G.....	____/____	.....	(4 SH; F,S) .....Elementary Statistics

(*Students take either (PHY 1151, 1152, 1161, 1162) or (PHY 1351, 1352, 1361, 1362, 1371, 1372)

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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____